

Study Number: C11054B-01
Test Type: TOX
Route: Dosing in Water
Species/Strain: Rat/Harlan Sprague Dawley

PA14: Individual Animal Pathology Data (Interim Animals)
Test Compound: Sulfolane
CAS Number: 126-33-0
Target Version: Study Pathologist

Date Report Requested: 02/24/2022
Time Report Requested: 06:57:27
Lab: Battelle with CRL

Study Number:

C11054B-01

Study Sex:

Both

PWG Approval Date:

See web page for date of PWG Approval

Version:

v1.3.8

ANIMAL ID: 1501	TRT#: F1-1	DOSE: 0 mg/L	SEX: Male	REMOVAL DAY: PND127
GENERATION: F1	SELECTION: F1 Interim Males		DISP: Scheduled Removal (Interim)	HISTO: 1702066

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
CARCASS	EPIDIDYMIS, LEFT	EPIDIDYMIS, RIGHT	ESOPHAGUS
EYE	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	KIDNEY, LEFT	KIDNEY, RIGHT	LARYNX
LUNG	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC	MAMMARY GLAND
MUSCLE, THIGH	NERVE, SCIATIC	NERVE, TIBIAL	NOSE
PANCREAS	PARATHYROID GLAND	PENIS	PHARYNX
PITUITARY GLAND	PREPUTIAL GLAND	PROSTATE	SALIVARY GLANDS
SEMINAL VESICLE	SKIN	SPINAL CORD	SPLEEN
STOMACH, FORESTOMACH	STOMACH, GLANDULAR	TESTIS, LEFT	TESTIS, RIGHT
THYMUS	THYROID GLAND	TONGUE	TRACHEA
TRIGEMINAL GANGLION	URINARY BLADDER	ZYMBALS GLAND	

OBSERVATIONS

LIVER	CAUDATE LOBE	DISCOLORATION	YELLOW
Observation Comment: 20 x 20 x 10 mm. [DISCOLORATION TGLS = TGL1]			
NO CORRELATE		TO OBSERVATION / MASS	

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Date Report Requested: 02/24/2022

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Lab: Battelle with CRL

ANIMAL ID: 1501	TRT#: F1-1	DOSE: 0 mg/L	SEX: Male	REMOVAL DAY: PND127
GENERATION: F1	SELECTION: F1 Interim Males		DISP: Scheduled Removal (Interim)	HISTO: 1702066

HISTOPATH TISSUE STATUS

Within Normal Limits

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
EPIDIDYMIS	ESOPHAGUS	EYE	HARDERIAN GLAND
HEART	INTESTINE, LARGE, CECUM	INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM
INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM	INTESTINE, SMALL, JEJUNUM	LUNG
LYMPH NODE	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC	MAMMARY GLAND
NOSE	PARATHYROID GLAND	PITUITARY GLAND	PREPUTIAL GLAND
PROSTATE	SALIVARY GLAND	SEMINAL VESICLE	SKIN
SPLEEN	STOMACH, FORESTOMACH	STOMACH, GLANDULAR	TESTIS
THYMUS	THYROID GLAND	TRACHEA	URINARY BLADDER

OBSERVATIONS

KIDNEY	CHRONIC PROGRESSIVE NEPHROPATHY	MINIMAL
LIVER	NECROSIS	MODERATE
[NECROSIS TGLS = TGL 1-17, Gross Finding = LIVER, CAUDATE LOBE, DISCOLORATION, YELLOW]		
PANCREAS	INFLAMMATION	MINIMAL

Study Number: C11054B-01**Test Type:** TOX**Route:** Dosing in Water**Species/Strain:** Rat/Harlan Sprague Dawley**PA14: Individual Animal Pathology Data (Interim Animals)****Test Compound:** Sulfolane**CAS Number:** 126-33-0**Target Version:** Study Pathologist**Date Report Requested:** 02/24/2022**Time Report Requested:** 06:57:27**Lab:** Battelle with CRL

ANIMAL ID: 1502	TRT#: F1-1	DOSE: 0 mg/L	SEX: Male	REMOVAL DAY: PND127
GENERATION: F1	SELECTION: F1 Interim Males		DISP: Scheduled Removal (Interim)	HISTO: 1702067

GROSS PATHOLOGY TISSUE STATUS**Within Normal Limits**

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
CARCASS	EPIDIDYMIS, LEFT	EPIDIDYMIS, RIGHT	ESOPHAGUS
EYE	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	KIDNEY, LEFT	KIDNEY, RIGHT	LARYNX
LIVER	LUNG	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	MUSCLE, THIGH	NERVE, SCIATIC	NERVE, TIBIAL
NOSE	PANCREAS	PARATHYROID GLAND	PENIS
PHARYNX	PITUITARY GLAND	PREPUTIAL GLAND	PROSTATE
SALIVARY GLANDS	SEMINAL VESICLE	SKIN	SPINAL CORD
SPLEEN	STOMACH, FORESTOMACH	STOMACH, GLANDULAR	TESTIS, LEFT
TESTIS, RIGHT	THYMUS	THYROID GLAND	TONGUE
TRACHEA	TRIGEMINAL GANGLION	URINARY BLADDER	ZYMBALS GLAND

OBSERVATIONS

NO CORRELATE	TO OBSERVATION / MASS
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HISTOPATH TISSUE STATUS**Within Normal Limits**

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
EPIDIDYMIS	ESOPHAGUS	EYE	HARDERIAN GLAND
HEART	INTESTINE, LARGE, CECUM	INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM
INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM	INTESTINE, SMALL, JEJUNUM	LIVER
LUNG	LYMPH NODE	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	NOSE	PANCREAS	PARATHYROID GLAND
PITUITARY GLAND	PREPUTIAL GLAND	PROSTATE	SALIVARY GLAND
SEMINAL VESICLE	SKIN	SPLEEN	STOMACH, FORESTOMACH
STOMACH, GLANDULAR	TESTIS	THYMUS	THYROID GLAND
TRACHEA	URINARY BLADDER		

OBSERVATIONS

KIDNEY	CHRONIC PROGRESSIVE NEPHROPATHY	MINIMAL
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Study Number: C11054B-01

Test Type: TOX

Route: Dosing in Water

Species/Strain: Rat/Harlan Sprague Dawley

PA14: Individual Animal Pathology Data (Interim Animals)

Test Compound: Sulfolane

CAS Number: 126-33-0

Target Version: Study Pathologist

Date Report Requested: 02/24/2022

Time Report Requested: 06:57:27

Lab: Battelle with CRL

ANIMAL ID: 1503	TRT#: F1-1	DOSE: 0 mg/L	SEX: Male	REMOVAL DAY: PND127
GENERATION: F1	SELECTION: F1 Interim Males		DISP: Scheduled Removal (Interim)	HISTO: 1702068

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
CARCASS	EPIDIDYMIS, LEFT	EPIDIDYMIS, RIGHT	ESOPHAGUS
EYE	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	KIDNEY, LEFT	KIDNEY, RIGHT	LARYNX
LIVER	LUNG	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	MUSCLE, THIGH	NERVE, SCIATIC	NERVE, TIBIAL
NOSE	PANCREAS	PARATHYROID GLAND	PENIS
PHARYNX	PITUITARY GLAND	PREPUTIAL GLAND	PROSTATE
SALIVARY GLANDS	SEMINAL VESICLE	SKIN	SPINAL CORD
SPLEEN	STOMACH, FORESTOMACH	STOMACH, GLANDULAR	TESTIS, LEFT
TESTIS, RIGHT	THYMUS	THYROID GLAND	TONGUE
TRACHEA	TRIGEMINAL GANGLION	URINARY BLADDER	ZYMBALS GLAND

OBSERVATIONS

NO CORRELATE	TO OBSERVATION / MASS
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ANIMAL ID: 1503	TRT#: F1-1	DOSE: 0 mg/L	SEX: Male	REMOVAL DAY: PND127
GENERATION: F1	SELECTION: F1 Interim Males		DISP: Scheduled Removal (Interim)	HISTO: 1702068
HISTOPATH TISSUE STATUS				
Within Normal Limits				
ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN	
EPIDIDYMIS	ESOPHAGUS	EYE	HARDERIAN GLAND	
HEART	INTESTINE, LARGE, CECUM	INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	
INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM	INTESTINE, SMALL, JEJUNUM	LUNG	
LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC	MAMMARY GLAND	NOSE	
PANCREAS	PARATHYROID GLAND	PITUITARY GLAND	PREPUTIAL GLAND	
PROSTATE	SALIVARY GLAND	SEMINAL VESICLE	SKIN	
SPLEEN	STOMACH, FORESTOMACH	TESTIS	THYMUS	
THYROID GLAND	TRACHEA	URINARY BLADDER		
NOT PRESENT				
LYMPH NODE				
OBSERVATIONS				
KIDNEY		CHRONIC PROGRESSIVE NEPHROPATHY	MINIMAL	
LIVER		EXTRAMEDULLARY HEMATOPOIESIS	INCREASED, MINIMAL	
STOMACH, GLANDULAR		MINERAL	MINIMAL	

Study Number: C11054B-01**Test Type:** TOX**Route:** Dosing in Water**Species/Strain:** Rat/Harlan Sprague Dawley**PA14: Individual Animal Pathology Data (Interim Animals)****Test Compound:** Sulfolane**CAS Number:** 126-33-0**Target Version:** Study Pathologist**Date Report Requested:** 02/24/2022**Time Report Requested:** 06:57:27**Lab:** Battelle with CRL

ANIMAL ID: 1504	TRT#: F1-1	DOSE: 0 mg/L	SEX: Male	REMOVAL DAY: PND127
GENERATION: F1	SELECTION: F1 Interim Males		DISP: Scheduled Removal (Interim)	HISTO: 1702069

GROSS PATHOLOGY TISSUE STATUS**Within Normal Limits**

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
CARCASS	EPIDIDYMIS, LEFT	EPIDIDYMIS, RIGHT	ESOPHAGUS
EYE	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	KIDNEY, LEFT	KIDNEY, RIGHT	LARYNX
LIVER	LUNG	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	MUSCLE, THIGH	NERVE, SCIATIC	NERVE, TIBIAL
NOSE	PANCREAS	PARATHYROID GLAND	PENIS
PHARYNX	PITUITARY GLAND	PREPUTIAL GLAND	PROSTATE
SALIVARY GLANDS	SEMINAL VESICLE	SKIN	SPINAL CORD
SPLEEN	STOMACH, FORESTOMACH	STOMACH, GLANDULAR	TESTIS, LEFT
TESTIS, RIGHT	THYMUS	THYROID GLAND	TONGUE
TRACHEA	TRIGEMINAL GANGLION	URINARY BLADDER	ZYMBALS GLAND

OBSERVATIONS

NO CORRELATE	TO OBSERVATION / MASS
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HISTOPATH TISSUE STATUS**Within Normal Limits**

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
EPIDIDYMIS	ESOPHAGUS	EYE	HARDERIAN GLAND
HEART	INTESTINE, LARGE, CECUM	INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM
INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM	INTESTINE, SMALL, JEJUNUM	LIVER
LUNG	LYMPH NODE	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	NOSE	PANCREAS	PARATHYROID GLAND
PITUITARY GLAND	PREPUTIAL GLAND	PROSTATE	SALIVARY GLAND
SEMINAL VESICLE	SKIN	SPLEEN	STOMACH, FORESTOMACH
STOMACH, GLANDULAR	TESTIS	THYMUS	THYROID GLAND
TRACHEA	URINARY BLADDER		

OBSERVATIONS

KIDNEY	CHRONIC PROGRESSIVE NEPHROPATHY	MINIMAL
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Study Number: C11054B-01**Test Type:** TOX**Route:** Dosing in Water**Species/Strain:** Rat/Harlan Sprague Dawley**PA14: Individual Animal Pathology Data (Interim Animals)****Test Compound:** Sulfolane**CAS Number:** 126-33-0**Target Version:** Study Pathologist**Date Report Requested:** 02/24/2022**Time Report Requested:** 06:57:27**Lab:** Battelle with CRL

ANIMAL ID: 1505	TRT#: F1-1	DOSE: 0 mg/L	SEX: Male	REMOVAL DAY: PND127
GENERATION: F1	SELECTION: F1 Interim Males		DISP: Scheduled Removal (Interim)	HISTO: 1702070

GROSS PATHOLOGY TISSUE STATUS**Within Normal Limits**

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
CARCASS	EPIDIDYMIS, LEFT	EPIDIDYMIS, RIGHT	ESOPHAGUS
EYE	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	KIDNEY, LEFT	KIDNEY, RIGHT	LARYNX
LIVER	LUNG	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	MUSCLE, THIGH	NERVE, SCIATIC	NERVE, TIBIAL
NOSE	PANCREAS	PARATHYROID GLAND	PENIS
PHARYNX	PITUITARY GLAND	PREPUTIAL GLAND	PROSTATE
SALIVARY GLANDS	SEMINAL VESICLE	SKIN	SPINAL CORD
SPLEEN	STOMACH, FORESTOMACH	STOMACH, GLANDULAR	TESTIS, LEFT
TESTIS, RIGHT	THYMUS	THYROID GLAND	TONGUE
TRACHEA	TRIGEMINAL GANGLION	URINARY BLADDER	ZYMBALS GLAND

OBSERVATIONS

NO CORRELATE	TO OBSERVATION / MASS
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HISTOPATH TISSUE STATUS**Within Normal Limits**

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
EPIDIDYMIS	ESOPHAGUS	EYE	HARDERIAN GLAND
HEART	INTESTINE, LARGE, CECUM	INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM
INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM	INTESTINE, SMALL, JEJUNUM	LIVER
LUNG	LYMPH NODE	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	NOSE	PANCREAS	PARATHYROID GLAND
PITUITARY GLAND	PREPUTIAL GLAND	PROSTATE	SALIVARY GLAND
SEMINAL VESICLE	SKIN	SPLEEN	STOMACH, FORESTOMACH
STOMACH, GLANDULAR	TESTIS	THYMUS	THYROID GLAND
TRACHEA	URINARY BLADDER		

OBSERVATIONS

KIDNEY	CHRONIC PROGRESSIVE NEPHROPATHY	MINIMAL
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Study Number: C11054B-01**Test Type:** TOX**Route:** Dosing in Water**Species/Strain:** Rat/Harlan Sprague Dawley**PA14: Individual Animal Pathology Data (Interim Animals)****Test Compound:** Sulfolane**CAS Number:** 126-33-0**Target Version:** Study Pathologist**Date Report Requested:** 02/24/2022**Time Report Requested:** 06:57:27**Lab:** Battelle with CRL

ANIMAL ID: 1506	TRT#: F1-1	DOSE: 0 mg/L	SEX: Male	REMOVAL DAY: PND127
GENERATION: F1	SELECTION: F1 Interim Males		DISP: Scheduled Removal (Interim)	HISTO: 1702071

GROSS PATHOLOGY TISSUE STATUS**Within Normal Limits**

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
CARCASS	EPIDIDYMIS, LEFT	EPIDIDYMIS, RIGHT	ESOPHAGUS
EYE	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	KIDNEY, LEFT	KIDNEY, RIGHT	LARYNX
LIVER	LUNG	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	MUSCLE, THIGH	NERVE, SCIATIC	NERVE, TIBIAL
NOSE	PANCREAS	PARATHYROID GLAND	PENIS
PHARYNX	PITUITARY GLAND	PREPUTIAL GLAND	PROSTATE
SALIVARY GLANDS	SEMINAL VESICLE	SKIN	SPINAL CORD
SPLEEN	STOMACH, FORESTOMACH	STOMACH, GLANDULAR	TESTIS, LEFT
TESTIS, RIGHT	THYMUS	THYROID GLAND	TONGUE
TRACHEA	TRIGEMINAL GANGLION	URINARY BLADDER	ZYMBALS GLAND

OBSERVATIONS

NO CORRELATE	TO OBSERVATION / MASS
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HISTOPATH TISSUE STATUS**Within Normal Limits**

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
EPIDIDYMIS	ESOPHAGUS	EYE	HARDERIAN GLAND
HEART	INTESTINE, LARGE, CECUM	INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM
INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM	INTESTINE, SMALL, JEJUNUM	LIVER
LUNG	LYMPH NODE	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	NOSE	PANCREAS	PARATHYROID GLAND
PITUITARY GLAND	PREPUTIAL GLAND	PROSTATE	SALIVARY GLAND
SEMINAL VESICLE	SKIN	SPLEEN	STOMACH, FORESTOMACH
STOMACH, GLANDULAR	TESTIS	THYMUS	THYROID GLAND
TRACHEA	URINARY BLADDER		

OBSERVATIONS

KIDNEY	CHRONIC PROGRESSIVE NEPHROPATHY	MILD
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Study Number: C11054B-01**Test Type:** TOX**Route:** Dosing in Water**Species/Strain:** Rat/Harlan Sprague Dawley**PA14: Individual Animal Pathology Data (Interim Animals)****Test Compound:** Sulfolane**CAS Number:** 126-33-0**Target Version:** Study Pathologist**Date Report Requested:** 02/24/2022**Time Report Requested:** 06:57:27**Lab:** Battelle with CRL

ANIMAL ID: 1507	TRT#: F1-1	DOSE: 0 mg/L	SEX: Male	REMOVAL DAY: PND127
GENERATION: F1	SELECTION: F1 Interim Males		DISP: Scheduled Removal (Interim)	HISTO: 1702072

GROSS PATHOLOGY TISSUE STATUS**Within Normal Limits**

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
CARCASS	EPIDIDYMIS, LEFT	EPIDIDYMIS, RIGHT	ESOPHAGUS
EYE	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	KIDNEY, LEFT	KIDNEY, RIGHT	LARYNX
LIVER	LUNG	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	MUSCLE, THIGH	NERVE, SCIATIC	NERVE, TIBIAL
NOSE	PANCREAS	PARATHYROID GLAND	PENIS
PHARYNX	PITUITARY GLAND	PREPUTIAL GLAND	PROSTATE
SALIVARY GLANDS	SEMINAL VESICLE	SKIN	SPINAL CORD
SPLEEN	STOMACH, FORESTOMACH	STOMACH, GLANDULAR	TESTIS, LEFT
TESTIS, RIGHT	THYMUS	THYROID GLAND	TONGUE
TRACHEA	TRIGEMINAL GANGLION	URINARY BLADDER	ZYMBALS GLAND

OBSERVATIONS

NO CORRELATE	TO OBSERVATION / MASS
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HISTOPATH TISSUE STATUS**Within Normal Limits**

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
EPIDIDYMIS	ESOPHAGUS	EYE	HEART
INTESTINE, LARGE, CECUM	INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM
INTESTINE, SMALL, ILEUM	INTESTINE, SMALL, JEJUNUM	LIVER	LUNG
LYMPH NODE	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC	MAMMARY GLAND
NOSE	PANCREAS	PARATHYROID GLAND	PITUITARY GLAND
PREPUTIAL GLAND	PROSTATE	SALIVARY GLAND	SEMINAL VESICLE
SKIN	SPLEEN	STOMACH, FORESTOMACH	STOMACH, GLANDULAR
TESTIS	THYMUS	THYROID GLAND	TRACHEA
URINARY BLADDER			

OBSERVATIONS

HARDERIAN GLAND	LYMPHOCYTE	INFILTRATION CELLULAR	MILD
KIDNEY		CHRONIC PROGRESSIVE NEPHROPATHY	MINIMAL

Study Number: C11054B-01**Test Type:** TOX**Route:** Dosing in Water**Species/Strain:** Rat/Harlan Sprague Dawley**PA14: Individual Animal Pathology Data (Interim Animals)****Test Compound:** Sulfolane**CAS Number:** 126-33-0**Target Version:** Study Pathologist**Date Report Requested:** 02/24/2022**Time Report Requested:** 06:57:27**Lab:** Battelle with CRL

ANIMAL ID: 1508	TRT#: F1-1	DOSE: 0 mg/L	SEX: Male	REMOVAL DAY: PND127
GENERATION: F1	SELECTION: F1 Interim Males		DISP: Scheduled Removal (Interim)	HISTO: 1702073

GROSS PATHOLOGY TISSUE STATUS**Within Normal Limits**

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
CARCASS	EPIDIDYMIS, LEFT	EPIDIDYMIS, RIGHT	ESOPHAGUS
EYE	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	KIDNEY, LEFT	KIDNEY, RIGHT	LARYNX
LIVER	LUNG	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	MUSCLE, THIGH	NERVE, SCIATIC	NERVE, TIBIAL
NOSE	PANCREAS	PARATHYROID GLAND	PENIS
PHARYNX	PITUITARY GLAND	PREPUTIAL GLAND	PROSTATE
SALIVARY GLANDS	SEMINAL VESICLE	SKIN	SPINAL CORD
SPLEEN	STOMACH, FORESTOMACH	STOMACH, GLANDULAR	TESTIS, LEFT
TESTIS, RIGHT	THYMUS	THYROID GLAND	TONGUE
TRACHEA	TRIGEMINAL GANGLION	URINARY BLADDER	ZYMBALS GLAND

OBSERVATIONS

NO CORRELATE	TO OBSERVATION / MASS
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HISTOPATH TISSUE STATUS**Within Normal Limits**

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
EPIDIDYMIS	ESOPHAGUS	EYE	HARDERIAN GLAND
HEART	INTESTINE, LARGE, CECUM	INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM
INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM	INTESTINE, SMALL, JEJUNUM	KIDNEY
LIVER	LUNG	LYMPH NODE	LYMPH NODE, MANDIBULAR
LYMPH NODE, MESENTERIC	MAMMARY GLAND	NOSE	PANCREAS
PARATHYROID GLAND	PITUITARY GLAND	PREPUTIAL GLAND	PROSTATE
SALIVARY GLAND	SEMINAL VESICLE	SKIN	SPLEEN
STOMACH, FORESTOMACH	TESTIS	THYMUS	THYROID GLAND
TRACHEA	URINARY BLADDER		

OBSERVATIONS

STOMACH, GLANDULAR	MINERAL	MINIMAL
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Study Number: C11054B-01**Test Type:** TOX**Route:** Dosing in Water**Species/Strain:** Rat/Harlan Sprague Dawley**PA14: Individual Animal Pathology Data (Interim Animals)****Test Compound:** Sulfolane**CAS Number:** 126-33-0**Target Version:** Study Pathologist**Date Report Requested:** 02/24/2022**Time Report Requested:** 06:57:27**Lab:** Battelle with CRL

ANIMAL ID: 1509	TRT#: F1-1	DOSE: 0 mg/L	SEX: Male	REMOVAL DAY: PND127
GENERATION: F1	SELECTION: F1 Interim Males		DISP: Scheduled Removal (Interim)	HISTO: 1702074

GROSS PATHOLOGY TISSUE STATUS**Within Normal Limits**

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
CARCASS	EPIDIDYMIS, LEFT	EPIDIDYMIS, RIGHT	ESOPHAGUS
EYE	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	KIDNEY, LEFT	KIDNEY, RIGHT	LARYNX
LIVER	LUNG	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	MUSCLE, THIGH	NERVE, SCIATIC	NERVE, TIBIAL
NOSE	PANCREAS	PARATHYROID GLAND	PENIS
PHARYNX	PITUITARY GLAND	PREPUTIAL GLAND	PROSTATE
SALIVARY GLANDS	SEMINAL VESICLE	SKIN	SPINAL CORD
SPLEEN	STOMACH, FORESTOMACH	STOMACH, GLANDULAR	TESTIS, LEFT
TESTIS, RIGHT	THYMUS	THYROID GLAND	TONGUE
TRACHEA	TRIGEMINAL GANGLION	URINARY BLADDER	ZYMBALS GLAND

OBSERVATIONS

NO CORRELATE	TO OBSERVATION / MASS
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HISTOPATH TISSUE STATUS**Within Normal Limits**

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
EPIDIDYMIS	ESOPHAGUS	EYE	HARDERIAN GLAND
HEART	INTESTINE, LARGE, CECUM	INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM
INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM	INTESTINE, SMALL, JEJUNUM	LIVER
LUNG	LYMPH NODE	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	NOSE	PANCREAS	PARATHYROID GLAND
PITUITARY GLAND	PREPUTIAL GLAND	PROSTATE	SALIVARY GLAND
SEMINAL VESICLE	SKIN	SPLEEN	STOMACH, FORESTOMACH
STOMACH, GLANDULAR	TESTIS	THYMUS	THYROID GLAND
TRACHEA	URINARY BLADDER		

OBSERVATIONS

KIDNEY	CHRONIC PROGRESSIVE NEPHROPATHY	MINIMAL
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Study Number: C11054B-01**Test Type:** TOX**Route:** Dosing in Water**Species/Strain:** Rat/Harlan Sprague Dawley**PA14: Individual Animal Pathology Data (Interim Animals)****Test Compound:** Sulfolane**CAS Number:** 126-33-0**Target Version:** Study Pathologist**Date Report Requested:** 02/24/2022**Time Report Requested:** 06:57:27**Lab:** Battelle with CRL

ANIMAL ID: 1510	TRT#: F1-1	DOSE: 0 mg/L	SEX: Male	REMOVAL DAY: PND125
GENERATION: F1	SELECTION: F1 Interim Males		DISP: Scheduled Removal (Interim)	HISTO: 1702075

GROSS PATHOLOGY TISSUE STATUS**Within Normal Limits**

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
CARCASS	EPIDIDYMIS, LEFT	EPIDIDYMIS, RIGHT	ESOPHAGUS
EYE	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	KIDNEY, LEFT	KIDNEY, RIGHT	LARYNX
LIVER	LUNG	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	MUSCLE, THIGH	NERVE, SCIATIC	NERVE, TIBIAL
NOSE	PANCREAS	PARATHYROID GLAND	PENIS
PHARYNX	PITUITARY GLAND	PREPUTIAL GLAND	PROSTATE
SALIVARY GLANDS	SEMINAL VESICLE	SKIN	SPINAL CORD
SPLEEN	STOMACH, FORESTOMACH	STOMACH, GLANDULAR	TESTIS, LEFT
TESTIS, RIGHT	THYMUS	THYROID GLAND	TONGUE
TRACHEA	TRIGEMINAL GANGLION	URINARY BLADDER	ZYMBALS GLAND

OBSERVATIONS

NO CORRELATE	TO OBSERVATION / MASS
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HISTOPATH TISSUE STATUS**Within Normal Limits**

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
EPIDIDYMIS	ESOPHAGUS	EYE	HARDERIAN GLAND
HEART	INTESTINE, LARGE, CECUM	INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM
INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM	INTESTINE, SMALL, JEJUNUM	LIVER
LYMPH NODE	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC	MAMMARY GLAND
NOSE	PANCREAS	PARATHYROID GLAND	PITUITARY GLAND
PREPUTIAL GLAND	PROSTATE	SALIVARY GLAND	SEMINAL VESICLE
SKIN	SPLEEN	STOMACH, FORESTOMACH	STOMACH, GLANDULAR
TESTIS	THYMUS	THYROID GLAND	TRACHEA
URINARY BLADDER			

OBSERVATIONS

KIDNEY	CHRONIC PROGRESSIVE NEPHROPATHY	MINIMAL
LUNG	INFLAMMATION	CHRONIC-ACTIVE, MINIMAL

Study Number: C11054B-01

Test Type: TOX

Route: Dosing in Water

Species/Strain: Rat/Harlan Sprague Dawley

PA14: Individual Animal Pathology Data (Interim Animals)

Test Compound: Sulfolane

CAS Number: 126-33-0

Target Version: Study Pathologist

Date Report Requested: 02/24/2022

Time Report Requested: 06:57:27

Lab: Battelle with CRL

ANIMAL ID: 1511	TRT#: F1-2	DOSE: 30 mg/L	SEX: Male	REMOVAL DAY: PND127
GENERATION: F1	SELECTION: F1 Interim Males		DISP: Scheduled Removal (Interim)	HISTO: 1702186

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
CARCASS	EPIDIDYMIS, LEFT	EPIDIDYMIS, RIGHT	ESOPHAGUS
EYE	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	KIDNEY, LEFT	KIDNEY, RIGHT	LARYNX
LIVER	LUNG	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	MUSCLE, THIGH	NERVE, SCIATIC	NERVE, TIBIAL
NOSE	PANCREAS	PARATHYROID GLAND	PENIS
PHARYNX	PITUITARY GLAND	PREPUTIAL GLAND	PROSTATE
SALIVARY GLANDS	SEMINAL VESICLE	SKIN	SPINAL CORD
SPLEEN	STOMACH, FORESTOMACH	STOMACH, GLANDULAR	TESTIS, LEFT
TESTIS, RIGHT	THYMUS	THYROID GLAND	TONGUE
TRACHEA	TRIGEMINAL GANGLION	URINARY BLADDER	ZYMBALS GLAND

OBSERVATIONS

NO CORRELATE	TO OBSERVATION / MASS
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HISTOPATH TISSUE STATUS

OBSERVATIONS

KIDNEY	CHRONIC PROGRESSIVE NEPHROPATHY	MINIMAL
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Study Number: C11054B-01

Test Type: TOX

Route: Dosing in Water

Species/Strain: Rat/Harlan Sprague Dawley

PA14: Individual Animal Pathology Data (Interim Animals)

Test Compound: Sulfolane

CAS Number: 126-33-0

Target Version: Study Pathologist

Date Report Requested: 02/24/2022

Time Report Requested: 06:57:27

Lab: Battelle with CRL

ANIMAL ID: 1512	TRT#: F1-2	DOSE: 30 mg/L	SEX: Male	REMOVAL DAY: PND127
GENERATION: F1	SELECTION: F1 Interim Males		DISP: Scheduled Removal (Interim)	HISTO: 1702187

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
CARCASS	EPIDIDYMIS, LEFT	EPIDIDYMIS, RIGHT	ESOPHAGUS
EYE	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	KIDNEY, LEFT	KIDNEY, RIGHT	LARYNX
LIVER	LUNG	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	MUSCLE, THIGH	NERVE, SCIATIC	NERVE, TIBIAL
NOSE	PANCREAS	PARATHYROID GLAND	PENIS
PHARYNX	PITUITARY GLAND	PREPUTIAL GLAND	PROSTATE
SALIVARY GLANDS	SEMINAL VESICLE	SKIN	SPINAL CORD
SPLEEN	STOMACH, FORESTOMACH	STOMACH, GLANDULAR	TESTIS, LEFT
TESTIS, RIGHT	THYMUS	THYROID GLAND	TONGUE
TRACHEA	TRIGEMINAL GANGLION	URINARY BLADDER	ZYMBALS GLAND

OBSERVATIONS

NO CORRELATE	TO OBSERVATION / MASS
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HISTOPATH TISSUE STATUS

OBSERVATIONS

KIDNEY	CHRONIC PROGRESSIVE NEPHROPATHY	MILD
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Study Number: C11054B-01

Test Type: TOX

Route: Dosing in Water

Species/Strain: Rat/Harlan Sprague Dawley

PA14: Individual Animal Pathology Data (Interim Animals)

Test Compound: Sulfolane

CAS Number: 126-33-0

Target Version: Study Pathologist

Date Report Requested: 02/24/2022

Time Report Requested: 06:57:27

Lab: Battelle with CRL

ANIMAL ID: 1513	TRT#: F1-2	DOSE: 30 mg/L	SEX: Male	REMOVAL DAY: PND127
GENERATION: F1	SELECTION: F1 Interim Males		DISP: Scheduled Removal (Interim)	HISTO: 1702188

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
CARCASS	EPIDIDYMIS, LEFT	EPIDIDYMIS, RIGHT	ESOPHAGUS
EYE	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	KIDNEY, LEFT	KIDNEY, RIGHT	LARYNX
LIVER	LUNG	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	MUSCLE, THIGH	NERVE, SCIATIC	NERVE, TIBIAL
NOSE	PANCREAS	PARATHYROID GLAND	PENIS
PHARYNX	PITUITARY GLAND	PREPUTIAL GLAND	PROSTATE
SALIVARY GLANDS	SEMINAL VESICLE	SKIN	SPINAL CORD
SPLEEN	STOMACH, FORESTOMACH	STOMACH, GLANDULAR	TESTIS, LEFT
TESTIS, RIGHT	THYMUS	THYROID GLAND	TONGUE
TRACHEA	TRIGEMINAL GANGLION	URINARY BLADDER	ZYMBALS GLAND

OBSERVATIONS

NO CORRELATE	TO OBSERVATION / MASS
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HISTOPATH TISSUE STATUS

OBSERVATIONS

KIDNEY	CHRONIC PROGRESSIVE NEPHROPATHY	MINIMAL
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Study Number: C11054B-01

Test Type: TOX

Route: Dosing in Water

Species/Strain: Rat/Harlan Sprague Dawley

PA14: Individual Animal Pathology Data (Interim Animals)

Test Compound: Sulfolane

CAS Number: 126-33-0

Target Version: Study Pathologist

Date Report Requested: 02/24/2022

Time Report Requested: 06:57:27

Lab: Battelle with CRL

ANIMAL ID: 1514	TRT#: F1-2	DOSE: 30 mg/L	SEX: Male	REMOVAL DAY: PND127
GENERATION: F1	SELECTION: F1 Interim Males		DISP: Scheduled Removal (Interim)	HISTO: 1702189

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
CARCASS	EPIDIDYMIS, LEFT	EPIDIDYMIS, RIGHT	ESOPHAGUS
EYE	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	KIDNEY, LEFT	KIDNEY, RIGHT	LARYNX
LIVER	LUNG	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	MUSCLE, THIGH	NERVE, SCIATIC	NERVE, TIBIAL
NOSE	PANCREAS	PARATHYROID GLAND	PENIS
PHARYNX	PITUITARY GLAND	PREPUTIAL GLAND	PROSTATE
SALIVARY GLANDS	SEMINAL VESICLE	SKIN	SPINAL CORD
SPLEEN	STOMACH, FORESTOMACH	STOMACH, GLANDULAR	TESTIS, LEFT
TESTIS, RIGHT	THYMUS	THYROID GLAND	TONGUE
TRACHEA	TRIGEMINAL GANGLION	URINARY BLADDER	ZYMBALS GLAND

OBSERVATIONS

NO CORRELATE	TO OBSERVATION / MASS
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HISTOPATH TISSUE STATUS

OBSERVATIONS

KIDNEY	CHRONIC PROGRESSIVE NEPHROPATHY	MINIMAL
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Study Number: C11054B-01

Test Type: TOX

Route: Dosing in Water

Species/Strain: Rat/Harlan Sprague Dawley

PA14: Individual Animal Pathology Data (Interim Animals)

Test Compound: Sulfolane

CAS Number: 126-33-0

Target Version: Study Pathologist

Date Report Requested: 02/24/2022

Time Report Requested: 06:57:27

Lab: Battelle with CRL

ANIMAL ID: 1515	TRT#: F1-2	DOSE: 30 mg/L	SEX: Male	REMOVAL DAY: PND127
GENERATION: F1	SELECTION: F1 Interim Males		DISP: Scheduled Removal (Interim)	HISTO: 1702190

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
CARCASS	EPIDIDYMIS, LEFT	EPIDIDYMIS, RIGHT	ESOPHAGUS
EYE	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	KIDNEY, LEFT	KIDNEY, RIGHT	LARYNX
LIVER	LUNG	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	MUSCLE, THIGH	NERVE, SCIATIC	NERVE, TIBIAL
NOSE	PANCREAS	PARATHYROID GLAND	PENIS
PHARYNX	PITUITARY GLAND	PREPUTIAL GLAND	PROSTATE
SALIVARY GLANDS	SEMINAL VESICLE	SKIN	SPINAL CORD
SPLEEN	STOMACH, FORESTOMACH	STOMACH, GLANDULAR	TESTIS, LEFT
TESTIS, RIGHT	THYMUS	THYROID GLAND	TONGUE
TRACHEA	TRIGEMINAL GANGLION	URINARY BLADDER	ZYMBALS GLAND

OBSERVATIONS

NO CORRELATE	TO OBSERVATION / MASS
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HISTOPATH TISSUE STATUS

OBSERVATIONS

KIDNEY	CHRONIC PROGRESSIVE NEPHROPATHY	MINIMAL
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Study Number: C11054B-01

Test Type: TOX

Route: Dosing in Water

Species/Strain: Rat/Harlan Sprague Dawley

PA14: Individual Animal Pathology Data (Interim Animals)

Test Compound: Sulfolane

CAS Number: 126-33-0

Target Version: Study Pathologist

Date Report Requested: 02/24/2022

Time Report Requested: 06:57:27

Lab: Battelle with CRL

ANIMAL ID: 1516	TRT#: F1-2	DOSE: 30 mg/L	SEX: Male	REMOVAL DAY: PND127
GENERATION: F1	SELECTION: F1 Interim Males		DISP: Scheduled Removal (Interim)	HISTO: 1702191

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
CARCASS	EPIDIDYMIS, LEFT	EPIDIDYMIS, RIGHT	ESOPHAGUS
EYE	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	KIDNEY, LEFT	KIDNEY, RIGHT	LARYNX
LIVER	LUNG	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	MUSCLE, THIGH	NERVE, SCIATIC	NERVE, TIBIAL
NOSE	PANCREAS	PARATHYROID GLAND	PENIS
PHARYNX	PITUITARY GLAND	PREPUTIAL GLAND	PROSTATE
SALIVARY GLANDS	SEMINAL VESICLE	SKIN	SPINAL CORD
SPLEEN	STOMACH, FORESTOMACH	STOMACH, GLANDULAR	TESTIS, LEFT
TESTIS, RIGHT	THYMUS	THYROID GLAND	TONGUE
TRACHEA	TRIGEMINAL GANGLION	URINARY BLADDER	ZYMBALS GLAND

OBSERVATIONS

NO CORRELATE	TO OBSERVATION / MASS
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HISTOPATH TISSUE STATUS

OBSERVATIONS

KIDNEY	CHRONIC PROGRESSIVE NEPHROPATHY	MINIMAL
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Study Number: C11054B-01

Test Type: TOX

Route: Dosing in Water

Species/Strain: Rat/Harlan Sprague Dawley

PA14: Individual Animal Pathology Data (Interim Animals)

Test Compound: Sulfolane

CAS Number: 126-33-0

Target Version: Study Pathologist

Date Report Requested: 02/24/2022

Time Report Requested: 06:57:27

Lab: Battelle with CRL

ANIMAL ID: 1517	TRT#: F1-2	DOSE: 30 mg/L	SEX: Male	REMOVAL DAY: PND126
GENERATION: F1	SELECTION: F1 Interim Males		DISP: Scheduled Removal (Interim)	HISTO: 1702192

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
CARCASS	EPIDIDYMIS, LEFT	EPIDIDYMIS, RIGHT	ESOPHAGUS
EYE	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	KIDNEY, LEFT	KIDNEY, RIGHT	LARYNX
LIVER	LUNG	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	MUSCLE, THIGH	NERVE, SCIATIC	NERVE, TIBIAL
NOSE	PANCREAS	PARATHYROID GLAND	PENIS
PHARYNX	PITUITARY GLAND	PREPUTIAL GLAND	PROSTATE
SALIVARY GLANDS	SEMINAL VESICLE	SKIN	SPINAL CORD
SPLEEN	STOMACH, FORESTOMACH	STOMACH, GLANDULAR	TESTIS, LEFT
TESTIS, RIGHT	THYMUS	THYROID GLAND	TONGUE
TRACHEA	TRIGEMINAL GANGLION	URINARY BLADDER	ZYMBALS GLAND

OBSERVATIONS

NO CORRELATE	TO OBSERVATION / MASS
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HISTOPATH TISSUE STATUS

OBSERVATIONS

KIDNEY	CHRONIC PROGRESSIVE NEPHROPATHY	MINIMAL
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ANIMAL ID: 1518	TRT#: F1-2	DOSE: 30 mg/L	SEX: Male	REMOVAL DAY: PND126
GENERATION: F1	SELECTION: F1 Interim Males		DISP: Scheduled Removal (Interim)	HISTO: 1702193

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits			
ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
CARCASS	EPIDIDYMIS, LEFT	EPIDIDYMIS, RIGHT	ESOPHAGUS
EYE	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	KIDNEY, LEFT	KIDNEY, RIGHT	LARYNX
LIVER	LUNG	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	MUSCLE, THIGH	NERVE, SCIATIC	NERVE, TIBIAL
NOSE	PANCREAS	PARATHYROID GLAND	PENIS
PHARYNX	PITUITARY GLAND	PREPUTIAL GLAND	PROSTATE
SALIVARY GLANDS	SEMINAL VESICLE	SKIN	SPINAL CORD
SPLEEN	STOMACH, FORESTOMACH	STOMACH, GLANDULAR	TESTIS, LEFT
TESTIS, RIGHT	THYMUS	THYROID GLAND	TONGUE
TRACHEA	TRIGEMINAL GANGLION	URINARY BLADDER	ZYMBALS GLAND

OBSERVATIONS	
NO CORRELATE	TO OBSERVATION / MASS

HISTOPATH TISSUE STATUS

OBSERVATIONS		
KIDNEY	CHRONIC PROGRESSIVE NEPHROPATHY	MINIMAL

Study Number: C11054B-01

Test Type: TOX

Route: Dosing in Water

Species/Strain: Rat/Harlan Sprague Dawley

PA14: Individual Animal Pathology Data (Interim Animals)

Test Compound: Sulfolane

CAS Number: 126-33-0

Target Version: Study Pathologist

Date Report Requested: 02/24/2022

Time Report Requested: 06:57:27

Lab: Battelle with CRL

ANIMAL ID: 1519	TRT#: F1-2	DOSE: 30 mg/L	SEX: Male	REMOVAL DAY: PND125
GENERATION: F1	SELECTION: F1 Interim Males		DISP: Scheduled Removal (Interim)	HISTO: 1702194

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
CARCASS	EPIDIDYMIS, LEFT	EPIDIDYMIS, RIGHT	ESOPHAGUS
EYE	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	KIDNEY, LEFT	KIDNEY, RIGHT	LARYNX
LIVER	LUNG	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	MUSCLE, THIGH	NERVE, SCIATIC	NERVE, TIBIAL
NOSE	PANCREAS	PARATHYROID GLAND	PENIS
PHARYNX	PITUITARY GLAND	PREPUTIAL GLAND	PROSTATE
SALIVARY GLANDS	SEMINAL VESICLE	SKIN	SPINAL CORD
SPLEEN	STOMACH, FORESTOMACH	STOMACH, GLANDULAR	TESTIS, LEFT
TESTIS, RIGHT	THYMUS	THYROID GLAND	TONGUE
TRACHEA	TRIGEMINAL GANGLION	URINARY BLADDER	ZYMBALS GLAND

OBSERVATIONS

NO CORRELATE	TO OBSERVATION / MASS
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HISTOPATH TISSUE STATUS

OBSERVATIONS

KIDNEY	CHRONIC PROGRESSIVE NEPHROPATHY	MINIMAL
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Study Number: C11054B-01

Test Type: TOX

Route: Dosing in Water

Species/Strain: Rat/Harlan Sprague Dawley

PA14: Individual Animal Pathology Data (Interim Animals)

Test Compound: Sulfolane

CAS Number: 126-33-0

Target Version: Study Pathologist

Date Report Requested: 02/24/2022

Time Report Requested: 06:57:27

Lab: Battelle with CRL

ANIMAL ID: 1520	TRT#: F1-2	DOSE: 30 mg/L	SEX: Male	REMOVAL DAY: PND125
GENERATION: F1	SELECTION: F1 Interim Males		DISP: Scheduled Removal (Interim)	HISTO: 1702195

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
CARCASS	EPIDIDYMIS, LEFT	EPIDIDYMIS, RIGHT	ESOPHAGUS
EYE	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	KIDNEY, LEFT	KIDNEY, RIGHT	LARYNX
LIVER	LUNG	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	MUSCLE, THIGH	NERVE, SCIATIC	NERVE, TIBIAL
NOSE	PANCREAS	PARATHYROID GLAND	PENIS
PHARYNX	PITUITARY GLAND	PREPUTIAL GLAND	PROSTATE
SALIVARY GLANDS	SEMINAL VESICLE	SKIN	SPINAL CORD
SPLEEN	STOMACH, FORESTOMACH	STOMACH, GLANDULAR	TESTIS, LEFT
TESTIS, RIGHT	THYMUS	THYROID GLAND	TONGUE
TRACHEA	TRIGEMINAL GANGLION	URINARY BLADDER	ZYMBALS GLAND

OBSERVATIONS

NO CORRELATE	TO OBSERVATION / MASS
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HISTOPATH TISSUE STATUS

OBSERVATIONS

KIDNEY	CHRONIC PROGRESSIVE NEPHROPATHY	MINIMAL
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Study Number: C11054B-01

Test Type: TOX

Route: Dosing in Water

Species/Strain: Rat/Harlan Sprague Dawley

PA14: Individual Animal Pathology Data (Interim Animals)

Test Compound: Sulfolane

CAS Number: 126-33-0

Target Version: Study Pathologist

Date Report Requested: 02/24/2022

Time Report Requested: 06:57:27

Lab: Battelle with CRL

ANIMAL ID: 1521	TRT#: F1-3	DOSE: 100 mg/L	SEX: Male	REMOVAL DAY: PND127
GENERATION: F1	SELECTION: F1 Interim Males		DISP: Scheduled Removal (Interim)	HISTO: 1702306

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
CARCASS	EPIDIDYMIS, LEFT	EPIDIDYMIS, RIGHT	ESOPHAGUS
EYE	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	KIDNEY, LEFT	KIDNEY, RIGHT	LARYNX
LIVER	LUNG	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	MUSCLE, THIGH	NERVE, SCIATIC	NERVE, TIBIAL
NOSE	PANCREAS	PARATHYROID GLAND	PENIS
PHARYNX	PITUITARY GLAND	PREPUTIAL GLAND	PROSTATE
SALIVARY GLANDS	SEMINAL VESICLE	SKIN	SPINAL CORD
SPLEEN	STOMACH, FORESTOMACH	STOMACH, GLANDULAR	TESTIS, LEFT
TESTIS, RIGHT	THYMUS	THYROID GLAND	TONGUE
TRACHEA	TRIGEMINAL GANGLION	URINARY BLADDER	ZYMBALS GLAND

OBSERVATIONS

NO CORRELATE	TO OBSERVATION / MASS
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HISTOPATH TISSUE STATUS

OBSERVATIONS

KIDNEY	CHRONIC PROGRESSIVE NEPHROPATHY	MINIMAL
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Study Number: C11054B-01

Test Type: TOX

Route: Dosing in Water

Species/Strain: Rat/Harlan Sprague Dawley

PA14: Individual Animal Pathology Data (Interim Animals)

Test Compound: Sulfolane

CAS Number: 126-33-0

Target Version: Study Pathologist

Date Report Requested: 02/24/2022

Time Report Requested: 06:57:27

Lab: Battelle with CRL

ANIMAL ID: 1522	TRT#: F1-3	DOSE: 100 mg/L	SEX: Male	REMOVAL DAY: PND127
GENERATION: F1	SELECTION: F1 Interim Males		DISP: Scheduled Removal (Interim)	HISTO: 1702307

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
CARCASS	EPIDIDYMIS, LEFT	EPIDIDYMIS, RIGHT	ESOPHAGUS
EYE	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	KIDNEY, LEFT	KIDNEY, RIGHT	LARYNX
LIVER	LUNG	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	MUSCLE, THIGH	NERVE, SCIATIC	NERVE, TIBIAL
NOSE	PANCREAS	PARATHYROID GLAND	PENIS
PHARYNX	PITUITARY GLAND	PREPUTIAL GLAND	PROSTATE
SALIVARY GLANDS	SEMINAL VESICLE	SKIN	SPINAL CORD
SPLEEN	STOMACH, FORESTOMACH	STOMACH, GLANDULAR	TESTIS, LEFT
TESTIS, RIGHT	THYMUS	THYROID GLAND	TONGUE
TRACHEA	TRIGEMINAL GANGLION	URINARY BLADDER	ZYMBALS GLAND

OBSERVATIONS

NO CORRELATE	TO OBSERVATION / MASS
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HISTOPATH TISSUE STATUS

OBSERVATIONS

KIDNEY	CHRONIC PROGRESSIVE NEPHROPATHY	MINIMAL
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Study Number: C11054B-01

Test Type: TOX

Route: Dosing in Water

Species/Strain: Rat/Harlan Sprague Dawley

PA14: Individual Animal Pathology Data (Interim Animals)

Test Compound: Sulfolane

CAS Number: 126-33-0

Target Version: Study Pathologist

Date Report Requested: 02/24/2022

Time Report Requested: 06:57:27

Lab: Battelle with CRL

ANIMAL ID: 1523	TRT#: F1-3	DOSE: 100 mg/L	SEX: Male	REMOVAL DAY: PND127
GENERATION: F1	SELECTION: F1 Interim Males		DISP: Scheduled Removal (Interim)	HISTO: 1702308

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
CARCASS	EPIDIDYMIS, LEFT	EPIDIDYMIS, RIGHT	ESOPHAGUS
EYE	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	KIDNEY, LEFT	KIDNEY, RIGHT	LARYNX
LIVER	LUNG	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	MUSCLE, THIGH	NERVE, SCIATIC	NERVE, TIBIAL
NOSE	PANCREAS	PARATHYROID GLAND	PENIS
PHARYNX	PITUITARY GLAND	PREPUTIAL GLAND	PROSTATE
SALIVARY GLANDS	SEMINAL VESICLE	SKIN	SPINAL CORD
SPLEEN	STOMACH, FORESTOMACH	STOMACH, GLANDULAR	TESTIS, LEFT
TESTIS, RIGHT	THYMUS	THYROID GLAND	TONGUE
TRACHEA	TRIGEMINAL GANGLION	URINARY BLADDER	ZYMBALS GLAND

OBSERVATIONS

NO CORRELATE	TO OBSERVATION / MASS
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HISTOPATH TISSUE STATUS

OBSERVATIONS

KIDNEY	CHRONIC PROGRESSIVE NEPHROPATHY	MINIMAL
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Study Number: C11054B-01

Test Type: TOX

Route: Dosing in Water

Species/Strain: Rat/Harlan Sprague Dawley

PA14: Individual Animal Pathology Data (Interim Animals)

Test Compound: Sulfolane

CAS Number: 126-33-0

Target Version: Study Pathologist

Date Report Requested: 02/24/2022

Time Report Requested: 06:57:27

Lab: Battelle with CRL

ANIMAL ID: 1524	TRT#: F1-3	DOSE: 100 mg/L	SEX: Male	REMOVAL DAY: PND127
GENERATION: F1	SELECTION: F1 Interim Males		DISP: Scheduled Removal (Interim)	HISTO: 1702309

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
CARCASS	EPIDIDYMIS, LEFT	EPIDIDYMIS, RIGHT	ESOPHAGUS
EYE	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	KIDNEY, LEFT	KIDNEY, RIGHT	LARYNX
LIVER	LUNG	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	MUSCLE, THIGH	NERVE, SCIATIC	NERVE, TIBIAL
NOSE	PANCREAS	PARATHYROID GLAND	PENIS
PHARYNX	PITUITARY GLAND	PREPUTIAL GLAND	PROSTATE
SALIVARY GLANDS	SEMINAL VESICLE	SKIN	SPINAL CORD
SPLEEN	STOMACH, FORESTOMACH	STOMACH, GLANDULAR	TESTIS, LEFT
TESTIS, RIGHT	THYMUS	THYROID GLAND	TONGUE
TRACHEA	TRIGEMINAL GANGLION	URINARY BLADDER	ZYMBALS GLAND

OBSERVATIONS

NO CORRELATE	TO OBSERVATION / MASS
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HISTOPATH TISSUE STATUS

OBSERVATIONS

KIDNEY	CHRONIC PROGRESSIVE NEPHROPATHY	MILD
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Study Number: C11054B-01

Test Type: TOX

Route: Dosing in Water

Species/Strain: Rat/Harlan Sprague Dawley

PA14: Individual Animal Pathology Data (Interim Animals)

Test Compound: Sulfolane

CAS Number: 126-33-0

Target Version: Study Pathologist

Date Report Requested: 02/24/2022

Time Report Requested: 06:57:27

Lab: Battelle with CRL

ANIMAL ID: 1525	TRT#: F1-3	DOSE: 100 mg/L	SEX: Male	REMOVAL DAY: PND127
GENERATION: F1	SELECTION: F1 Interim Males		DISP: Scheduled Removal (Interim)	HISTO: 1702310

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
CARCASS	EPIDIDYMIS, LEFT	EPIDIDYMIS, RIGHT	ESOPHAGUS
EYE	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	KIDNEY, LEFT	KIDNEY, RIGHT	LARYNX
LIVER	LUNG	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	MUSCLE, THIGH	NERVE, SCIATIC	NERVE, TIBIAL
NOSE	PANCREAS	PARATHYROID GLAND	PENIS
PHARYNX	PITUITARY GLAND	PREPUTIAL GLAND	PROSTATE
SALIVARY GLANDS	SEMINAL VESICLE	SKIN	SPINAL CORD
SPLEEN	STOMACH, FORESTOMACH	STOMACH, GLANDULAR	TESTIS, LEFT
TESTIS, RIGHT	THYMUS	THYROID GLAND	TONGUE
TRACHEA	TRIGEMINAL GANGLION	URINARY BLADDER	ZYMBALS GLAND

OBSERVATIONS

NO CORRELATE	TO OBSERVATION / MASS
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HISTOPATH TISSUE STATUS

OBSERVATIONS

KIDNEY	CHRONIC PROGRESSIVE NEPHROPATHY	MINIMAL
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Study Number: C11054B-01

Test Type: TOX

Route: Dosing in Water

Species/Strain: Rat/Harlan Sprague Dawley

PA14: Individual Animal Pathology Data (Interim Animals)

Test Compound: Sulfolane

CAS Number: 126-33-0

Target Version: Study Pathologist

Date Report Requested: 02/24/2022

Time Report Requested: 06:57:27

Lab: Battelle with CRL

ANIMAL ID: 1526	TRT#: F1-3	DOSE: 100 mg/L	SEX: Male	REMOVAL DAY: PND127
GENERATION: F1	SELECTION: F1 Interim Males		DISP: Scheduled Removal (Interim)	HISTO: 1702311

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
CARCASS	EPIDIDYMIS, LEFT	EPIDIDYMIS, RIGHT	ESOPHAGUS
EYE	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	KIDNEY, LEFT	KIDNEY, RIGHT	LARYNX
LIVER	LUNG	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	MUSCLE, THIGH	NERVE, SCIATIC	NERVE, TIBIAL
NOSE	PANCREAS	PARATHYROID GLAND	PENIS
PHARYNX	PITUITARY GLAND	PREPUTIAL GLAND	PROSTATE
SALIVARY GLANDS	SEMINAL VESICLE	SKIN	SPINAL CORD
SPLEEN	STOMACH, FORESTOMACH	STOMACH, GLANDULAR	TESTIS, LEFT
TESTIS, RIGHT	THYMUS	THYROID GLAND	TONGUE
TRACHEA	TRIGEMINAL GANGLION	URINARY BLADDER	ZYMBALS GLAND

OBSERVATIONS

NO CORRELATE	TO OBSERVATION / MASS
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HISTOPATH TISSUE STATUS

OBSERVATIONS

KIDNEY	CHRONIC PROGRESSIVE NEPHROPATHY	MINIMAL
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Study Number: C11054B-01

Test Type: TOX

Route: Dosing in Water

Species/Strain: Rat/Harlan Sprague Dawley

PA14: Individual Animal Pathology Data (Interim Animals)

Test Compound: Sulfolane

CAS Number: 126-33-0

Target Version: Study Pathologist

Date Report Requested: 02/24/2022

Time Report Requested: 06:57:27

Lab: Battelle with CRL

ANIMAL ID: 1527	TRT#: F1-3	DOSE: 100 mg/L	SEX: Male	REMOVAL DAY: PND126
GENERATION: F1	SELECTION: F1 Interim Males		DISP: Scheduled Removal (Interim)	HISTO: 1702312

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
CARCASS	EPIDIDYMIS, LEFT	EPIDIDYMIS, RIGHT	ESOPHAGUS
EYE	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	KIDNEY, LEFT	KIDNEY, RIGHT	LARYNX
LIVER	LUNG	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	MUSCLE, THIGH	NERVE, SCIATIC	NERVE, TIBIAL
NOSE	PANCREAS	PARATHYROID GLAND	PENIS
PHARYNX	PITUITARY GLAND	PREPUTIAL GLAND	PROSTATE
SALIVARY GLANDS	SEMINAL VESICLE	SKIN	SPINAL CORD
SPLEEN	STOMACH, FORESTOMACH	STOMACH, GLANDULAR	TESTIS, LEFT
TESTIS, RIGHT	THYMUS	THYROID GLAND	TONGUE
TRACHEA	TRIGEMINAL GANGLION	URINARY BLADDER	ZYMBALS GLAND

OBSERVATIONS

NO CORRELATE	TO OBSERVATION / MASS
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HISTOPATH TISSUE STATUS

OBSERVATIONS

KIDNEY	CHRONIC PROGRESSIVE NEPHROPATHY	MINIMAL
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Study Number: C11054B-01

Test Type: TOX

Route: Dosing in Water

Species/Strain: Rat/Harlan Sprague Dawley

PA14: Individual Animal Pathology Data (Interim Animals)

Test Compound: Sulfolane

CAS Number: 126-33-0

Target Version: Study Pathologist

Date Report Requested: 02/24/2022

Time Report Requested: 06:57:27

Lab: Battelle with CRL

ANIMAL ID: 1528	TRT#: F1-3	DOSE: 100 mg/L	SEX: Male	REMOVAL DAY: PND126
GENERATION: F1	SELECTION: F1 Interim Males		DISP: Scheduled Removal (Interim)	HISTO: 1702313

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
CARCASS	EPIDIDYMIS, LEFT	EPIDIDYMIS, RIGHT	ESOPHAGUS
EYE	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	KIDNEY, LEFT	KIDNEY, RIGHT	LARYNX
LIVER	LUNG	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	MUSCLE, THIGH	NERVE, SCIATIC	NERVE, TIBIAL
NOSE	PANCREAS	PARATHYROID GLAND	PENIS
PHARYNX	PITUITARY GLAND	PREPUTIAL GLAND	PROSTATE
SALIVARY GLANDS	SEMINAL VESICLE	SKIN	SPINAL CORD
SPLEEN	STOMACH, FORESTOMACH	STOMACH, GLANDULAR	TESTIS, LEFT
TESTIS, RIGHT	THYMUS	THYROID GLAND	TONGUE
TRACHEA	TRIGEMINAL GANGLION	URINARY BLADDER	ZYMBALS GLAND

OBSERVATIONS

NO CORRELATE	TO OBSERVATION / MASS
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HISTOPATH TISSUE STATUS

OBSERVATIONS

KIDNEY	CHRONIC PROGRESSIVE NEPHROPATHY	MINIMAL
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Study Number: C11054B-01

Test Type: TOX

Route: Dosing in Water

Species/Strain: Rat/Harlan Sprague Dawley

PA14: Individual Animal Pathology Data (Interim Animals)

Test Compound: Sulfolane

CAS Number: 126-33-0

Target Version: Study Pathologist

Date Report Requested: 02/24/2022

Time Report Requested: 06:57:27

Lab: Battelle with CRL

ANIMAL ID: 1529	TRT#: F1-3	DOSE: 100 mg/L	SEX: Male	REMOVAL DAY: PND126
GENERATION: F1	SELECTION: F1 Interim Males		DISP: Scheduled Removal (Interim)	HISTO: 1702314

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
CARCASS	EPIDIDYMIS, LEFT	EPIDIDYMIS, RIGHT	ESOPHAGUS
EYE	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	KIDNEY, LEFT	KIDNEY, RIGHT	LARYNX
LIVER	LUNG	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	MUSCLE, THIGH	NERVE, SCIATIC	NERVE, TIBIAL
NOSE	PANCREAS	PARATHYROID GLAND	PENIS
PHARYNX	PITUITARY GLAND	PREPUTIAL GLAND	PROSTATE
SALIVARY GLANDS	SEMINAL VESICLE	SKIN	SPINAL CORD
SPLEEN	STOMACH, FORESTOMACH	STOMACH, GLANDULAR	TESTIS, LEFT
TESTIS, RIGHT	THYMUS	THYROID GLAND	TONGUE
TRACHEA	TRIGEMINAL GANGLION	URINARY BLADDER	ZYMBALS GLAND

OBSERVATIONS

NO CORRELATE	TO OBSERVATION / MASS
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HISTOPATH TISSUE STATUS

OBSERVATIONS

KIDNEY	CHRONIC PROGRESSIVE NEPHROPATHY	MINIMAL
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Study Number: C11054B-01

Test Type: TOX

Route: Dosing in Water

Species/Strain: Rat/Harlan Sprague Dawley

PA14: Individual Animal Pathology Data (Interim Animals)

Test Compound: Sulfolane

CAS Number: 126-33-0

Target Version: Study Pathologist

Date Report Requested: 02/24/2022

Time Report Requested: 06:57:27

Lab: Battelle with CRL

ANIMAL ID: 1530	TRT#: F1-3	DOSE: 100 mg/L	SEX: Male	REMOVAL DAY: PND125
GENERATION: F1	SELECTION: F1 Interim Males		DISP: Scheduled Removal (Interim)	HISTO: 1702315

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
CARCASS	EPIDIDYMIS, LEFT	EPIDIDYMIS, RIGHT	ESOPHAGUS
EYE	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	KIDNEY, LEFT	KIDNEY, RIGHT	LARYNX
LIVER	LUNG	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	MUSCLE, THIGH	NERVE, SCIATIC	NERVE, TIBIAL
NOSE	PANCREAS	PARATHYROID GLAND	PENIS
PHARYNX	PITUITARY GLAND	PREPUTIAL GLAND	PROSTATE
SALIVARY GLANDS	SEMINAL VESICLE	SKIN	SPINAL CORD
SPLEEN	STOMACH, FORESTOMACH	STOMACH, GLANDULAR	TESTIS, LEFT
TESTIS, RIGHT	THYMUS	THYROID GLAND	TONGUE
TRACHEA	TRIGEMINAL GANGLION	URINARY BLADDER	ZYMBALS GLAND

OBSERVATIONS

NO CORRELATE	TO OBSERVATION / MASS
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HISTOPATH TISSUE STATUS

OBSERVATIONS

KIDNEY	CHRONIC PROGRESSIVE NEPHROPATHY	MINIMAL
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Study Number: C11054B-01

Test Type: TOX

Route: Dosing in Water

Species/Strain: Rat/Harlan Sprague Dawley

PA14: Individual Animal Pathology Data (Interim Animals)

Test Compound: Sulfolane

CAS Number: 126-33-0

Target Version: Study Pathologist

Date Report Requested: 02/24/2022

Time Report Requested: 06:57:27

Lab: Battelle with CRL

ANIMAL ID: 1531	TRT#: F1-4	DOSE: 300 mg/L	SEX: Male	REMOVAL DAY: PND127
GENERATION: F1	SELECTION: F1 Interim Males		DISP: Scheduled Removal (Interim)	HISTO: 1702426

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
CARCASS	EPIDIDYMIS, LEFT	EPIDIDYMIS, RIGHT	ESOPHAGUS
EYE	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	KIDNEY, LEFT	KIDNEY, RIGHT	LARYNX
LIVER	LUNG	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	MUSCLE, THIGH	NERVE, SCIATIC	NERVE, TIBIAL
NOSE	PANCREAS	PARATHYROID GLAND	PENIS
PHARYNX	PITUITARY GLAND	PREPUTIAL GLAND	PROSTATE
SALIVARY GLANDS	SEMINAL VESICLE	SKIN	SPINAL CORD
SPLEEN	STOMACH, FORESTOMACH	STOMACH, GLANDULAR	TESTIS, LEFT
TESTIS, RIGHT	THYMUS	THYROID GLAND	TONGUE
TRACHEA	TRIGEMINAL GANGLION	URINARY BLADDER	ZYMBALS GLAND

OBSERVATIONS

NO CORRELATE	TO OBSERVATION / MASS
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HISTOPATH TISSUE STATUS

OBSERVATIONS

KIDNEY	CHRONIC PROGRESSIVE NEPHROPATHY	MINIMAL
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Study Number: C11054B-01

Test Type: TOX

Route: Dosing in Water

Species/Strain: Rat/Harlan Sprague Dawley

PA14: Individual Animal Pathology Data (Interim Animals)

Test Compound: Sulfolane

CAS Number: 126-33-0

Target Version: Study Pathologist

Date Report Requested: 02/24/2022

Time Report Requested: 06:57:27

Lab: Battelle with CRL

ANIMAL ID: 1532	TRT#: F1-4	DOSE: 300 mg/L	SEX: Male	REMOVAL DAY: PND127
GENERATION: F1	SELECTION: F1 Interim Males		DISP: Scheduled Removal (Interim)	HISTO: 1702427

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
CARCASS	EPIDIDYMIS, LEFT	EPIDIDYMIS, RIGHT	ESOPHAGUS
EYE	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	KIDNEY, LEFT	KIDNEY, RIGHT	LARYNX
LIVER	LUNG	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	MUSCLE, THIGH	NERVE, SCIATIC	NERVE, TIBIAL
NOSE	PANCREAS	PARATHYROID GLAND	PENIS
PHARYNX	PITUITARY GLAND	PREPUTIAL GLAND	PROSTATE
SALIVARY GLANDS	SEMINAL VESICLE	SKIN	SPINAL CORD
SPLEEN	STOMACH, FORESTOMACH	STOMACH, GLANDULAR	TESTIS, LEFT
TESTIS, RIGHT	THYMUS	THYROID GLAND	TONGUE
TRACHEA	TRIGEMINAL GANGLION	URINARY BLADDER	ZYMBALS GLAND

OBSERVATIONS

NO CORRELATE	TO OBSERVATION / MASS
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HISTOPATH TISSUE STATUS

OBSERVATIONS

KIDNEY	CHRONIC PROGRESSIVE NEPHROPATHY	MINIMAL
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Study Number: C11054B-01

Test Type: TOX

Route: Dosing in Water

Species/Strain: Rat/Harlan Sprague Dawley

PA14: Individual Animal Pathology Data (Interim Animals)

Test Compound: Sulfolane

CAS Number: 126-33-0

Target Version: Study Pathologist

Date Report Requested: 02/24/2022

Time Report Requested: 06:57:27

Lab: Battelle with CRL

ANIMAL ID: 1533	TRT#: F1-4	DOSE: 300 mg/L	SEX: Male	REMOVAL DAY: PND127
GENERATION: F1	SELECTION: F1 Interim Males		DISP: Scheduled Removal (Interim)	HISTO: 1702428

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
CARCASS	EPIDIDYMIS, LEFT	EPIDIDYMIS, RIGHT	ESOPHAGUS
EYE	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	KIDNEY, LEFT	KIDNEY, RIGHT	LARYNX
LIVER	LUNG	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	MUSCLE, THIGH	NERVE, SCIATIC	NERVE, TIBIAL
NOSE	PANCREAS	PARATHYROID GLAND	PENIS
PHARYNX	PITUITARY GLAND	PREPUTIAL GLAND	PROSTATE
SALIVARY GLANDS	SEMINAL VESICLE	SKIN	SPINAL CORD
SPLEEN	STOMACH, FORESTOMACH	STOMACH, GLANDULAR	TESTIS, LEFT
TESTIS, RIGHT	THYMUS	THYROID GLAND	TONGUE
TRACHEA	TRIGEMINAL GANGLION	URINARY BLADDER	ZYMBALS GLAND

HISTOPATH TISSUE STATUS

OBSERVATIONS

KIDNEY	CHRONIC PROGRESSIVE NEPHROPATHY	MINIMAL
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Study Number: C11054B-01

Test Type: TOX

Route: Dosing in Water

Species/Strain: Rat/Harlan Sprague Dawley

PA14: Individual Animal Pathology Data (Interim Animals)

Test Compound: Sulfolane

CAS Number: 126-33-0

Target Version: Study Pathologist

Date Report Requested: 02/24/2022

Time Report Requested: 06:57:27

Lab: Battelle with CRL

ANIMAL ID: 1534	TRT#: F1-4	DOSE: 300 mg/L	SEX: Male	REMOVAL DAY: PND127
GENERATION: F1	SELECTION: F1 Interim Males		DISP: Scheduled Removal (Interim)	HISTO: 1702429

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
CARCASS	EPIDIDYMIS, LEFT	EPIDIDYMIS, RIGHT	ESOPHAGUS
EYE	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	KIDNEY, LEFT	KIDNEY, RIGHT	LARYNX
LIVER	LUNG	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	MUSCLE, THIGH	NERVE, SCIATIC	NERVE, TIBIAL
NOSE	PANCREAS	PARATHYROID GLAND	PENIS
PHARYNX	PITUITARY GLAND	PREPUTIAL GLAND	PROSTATE
SALIVARY GLANDS	SEMINAL VESICLE	SKIN	SPINAL CORD
SPLEEN	STOMACH, FORESTOMACH	STOMACH, GLANDULAR	TESTIS, LEFT
TESTIS, RIGHT	THYMUS	THYROID GLAND	TONGUE
TRACHEA	TRIGEMINAL GANGLION	URINARY BLADDER	ZYMBALS GLAND

OBSERVATIONS

NO CORRELATE	TO OBSERVATION / MASS
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HISTOPATH TISSUE STATUS

OBSERVATIONS

KIDNEY	CHRONIC PROGRESSIVE NEPHROPATHY	MINIMAL
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ANIMAL ID: 1535	TRT#: F1-4	DOSE: 300 mg/L	SEX: Male	REMOVAL DAY: PND127
GENERATION: F1	SELECTION: F1 Interim Males		DISP: Scheduled Removal (Interim)	HISTO: 1702430

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
CARCASS	EPIDIDYMIS, LEFT	EPIDIDYMIS, RIGHT	ESOPHAGUS
EYE	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	KIDNEY, LEFT	KIDNEY, RIGHT	LARYNX
LIVER	LUNG	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	MUSCLE, THIGH	NERVE, SCIATIC	NERVE, TIBIAL
NOSE	PANCREAS	PARATHYROID GLAND	PENIS
PHARYNX	PITUITARY GLAND	PREPUTIAL GLAND	PROSTATE
SALIVARY GLANDS	SEMINAL VESICLE	SKIN	SPINAL CORD
SPLEEN	STOMACH, FORESTOMACH	STOMACH, GLANDULAR	TESTIS, LEFT
TESTIS, RIGHT	THYMUS	THYROID GLAND	TONGUE
TRACHEA	TRIGEMINAL GANGLION	URINARY BLADDER	ZYMBALS GLAND

HISTOPATH TISSUE STATUS

OBSERVATIONS

KIDNEY	CHRONIC PROGRESSIVE NEPHROPATHY	MINIMAL
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Study Number: C11054B-01

Test Type: TOX

Route: Dosing in Water

Species/Strain: Rat/Harlan Sprague Dawley

PA14: Individual Animal Pathology Data (Interim Animals)

Test Compound: Sulfolane

CAS Number: 126-33-0

Target Version: Study Pathologist

Date Report Requested: 02/24/2022

Time Report Requested: 06:57:27

Lab: Battelle with CRL

ANIMAL ID: 1536	TRT#: F1-4	DOSE: 300 mg/L	SEX: Male	REMOVAL DAY: PND127
GENERATION: F1	SELECTION: F1 Interim Males		DISP: Scheduled Removal (Interim)	HISTO: 1702431

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
CARCASS	EPIDIDYMIS, LEFT	EPIDIDYMIS, RIGHT	ESOPHAGUS
EYE	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	KIDNEY, LEFT	KIDNEY, RIGHT	LARYNX
LIVER	LUNG	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	MUSCLE, THIGH	NERVE, SCIATIC	NERVE, TIBIAL
NOSE	PANCREAS	PARATHYROID GLAND	PENIS
PHARYNX	PITUITARY GLAND	PREPUTIAL GLAND	PROSTATE
SALIVARY GLANDS	SEMINAL VESICLE	SKIN	SPINAL CORD
SPLEEN	STOMACH, FORESTOMACH	STOMACH, GLANDULAR	TESTIS, LEFT
TESTIS, RIGHT	THYMUS	THYROID GLAND	TONGUE
TRACHEA	TRIGEMINAL GANGLION	URINARY BLADDER	ZYMBALS GLAND

OBSERVATIONS

NO CORRELATE	TO OBSERVATION / MASS
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HISTOPATH TISSUE STATUS

OBSERVATIONS

KIDNEY	CHRONIC PROGRESSIVE NEPHROPATHY	MINIMAL
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Study Number: C11054B-01**Test Type:** TOX**Route:** Dosing in Water**Species/Strain:** Rat/Harlan Sprague Dawley**PA14: Individual Animal Pathology Data (Interim Animals)****Test Compound:** Sulfolane**CAS Number:** 126-33-0**Target Version:** Study Pathologist**Date Report Requested:** 02/24/2022**Time Report Requested:** 06:57:27**Lab:** Battelle with CRL

ANIMAL ID: 1537	TRT#: F1-4	DOSE: 300 mg/L	SEX: Male	REMOVAL DAY: PND127
GENERATION: F1	SELECTION: F1 Interim Males		DISP: Scheduled Removal (Interim)	HISTO: 1702432

GROSS PATHOLOGY TISSUE STATUS**Within Normal Limits**

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
CARCASS	EPIDIDYMIS, LEFT	EPIDIDYMIS, RIGHT	ESOPHAGUS
EYE	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	LARYNX	LIVER	LUNG
LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC	MAMMARY GLAND	MUSCLE, THIGH
NERVE, SCIATIC	NERVE, TIBIAL	NOSE	PANCREAS
PARATHYROID GLAND	PENIS	PHARYNX	PITUITARY GLAND
PREPUTIAL GLAND	PROSTATE	SALIVARY GLANDS	SEMINAL VESICLE
SKIN	SPINAL CORD	SPLEEN	STOMACH, FORESTOMACH
STOMACH, GLANDULAR	TESTIS, LEFT	TESTIS, RIGHT	THYMUS
THYROID GLAND	TONGUE	TRACHEA	TRIGEMINAL GANGLION
URINARY BLADDER	ZYMBALS GLAND		

OBSERVATIONS

KIDNEY, LEFT	CORTEX	CYST	CLEAR, TWO
Observation Comment: 2 mm^3. [CYST TGLS = TGL2]			
KIDNEY, RIGHT	CORTEX	CYST	CLEAR
Observation Comment: 10 x 8 x 6 mm. Multilocular. [CYST TGLS = TGL1]			
NO CORRELATE		TO OBSERVATION / MASS	

HISTOPATH TISSUE STATUS**OBSERVATIONS**

KIDNEY	RENAL TUBULE	ADENOMA	MULTIPLE
		CHRONIC PROGRESSIVE NEPHROPATHY	MINIMAL
Observation Comment: TGL1-8 TGL2-17 [ADENOMA TGLS = TGL1-8, TGL2-17, Gross Finding = KIDNEY, LEFT, CORTEX, CYST, CLEAR, TWO] [ADENOMA TGLS = TGL1-8, TGL2-17, Gross Finding = KIDNEY, RIGHT, CORTEX, CYST, CLEAR]			

Study Number: C11054B-01

Test Type: TOX

Route: Dosing in Water

Species/Strain: Rat/Harlan Sprague Dawley

PA14: Individual Animal Pathology Data (Interim Animals)

Test Compound: Sulfolane

CAS Number: 126-33-0

Target Version: Study Pathologist

Date Report Requested: 02/24/2022

Time Report Requested: 06:57:27

Lab: Battelle with CRL

ANIMAL ID: 1538	TRT#: F1-4	DOSE: 300 mg/L	SEX: Male	REMOVAL DAY: PND127
GENERATION: F1	SELECTION: F1 Interim Males		DISP: Scheduled Removal (Interim)	HISTO: 1702433

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
CARCASS	EPIDIDYMIS, LEFT	EPIDIDYMIS, RIGHT	ESOPHAGUS
EYE	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	KIDNEY, LEFT	KIDNEY, RIGHT	LARYNX
LIVER	LUNG	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	MUSCLE, THIGH	NERVE, SCIATIC	NERVE, TIBIAL
NOSE	PANCREAS	PARATHYROID GLAND	PENIS
PHARYNX	PITUITARY GLAND	PREPUTIAL GLAND	PROSTATE
SALIVARY GLANDS	SEMINAL VESICLE	SKIN	SPINAL CORD
SPLEEN	STOMACH, FORESTOMACH	STOMACH, GLANDULAR	TESTIS, LEFT
TESTIS, RIGHT	THYMUS	THYROID GLAND	TONGUE
TRACHEA	TRIGEMINAL GANGLION	URINARY BLADDER	ZYMBALS GLAND

OBSERVATIONS

NO CORRELATE	TO OBSERVATION / MASS
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HISTOPATH TISSUE STATUS

OBSERVATIONS

KIDNEY	CHRONIC PROGRESSIVE NEPHROPATHY	MINIMAL
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Study Number: C11054B-01

Test Type: TOX

Route: Dosing in Water

Species/Strain: Rat/Harlan Sprague Dawley

PA14: Individual Animal Pathology Data (Interim Animals)

Test Compound: Sulfolane

CAS Number: 126-33-0

Target Version: Study Pathologist

Date Report Requested: 02/24/2022

Time Report Requested: 06:57:27

Lab: Battelle with CRL

ANIMAL ID: 1539	TRT#: F1-4	DOSE: 300 mg/L	SEX: Male	REMOVAL DAY: PND126
GENERATION: F1	SELECTION: F1 Interim Males		DISP: Scheduled Removal (Interim)	HISTO: 1702434

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
CARCASS	EPIDIDYMIS, LEFT	EPIDIDYMIS, RIGHT	ESOPHAGUS
EYE	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	KIDNEY, LEFT	KIDNEY, RIGHT	LARYNX
LIVER	LUNG	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	MUSCLE, THIGH	NERVE, SCIATIC	NERVE, TIBIAL
NOSE	PANCREAS	PARATHYROID GLAND	PENIS
PHARYNX	PITUITARY GLAND	PREPUTIAL GLAND	PROSTATE
SALIVARY GLANDS	SEMINAL VESICLE	SKIN	SPINAL CORD
SPLEEN	STOMACH, FORESTOMACH	STOMACH, GLANDULAR	TESTIS, LEFT
TESTIS, RIGHT	THYMUS	THYROID GLAND	TONGUE
TRACHEA	TRIGEMINAL GANGLION	URINARY BLADDER	ZYMBALS GLAND

OBSERVATIONS

NO CORRELATE	TO OBSERVATION / MASS
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HISTOPATH TISSUE STATUS

OBSERVATIONS

KIDNEY	CHRONIC PROGRESSIVE NEPHROPATHY	MINIMAL
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Study Number: C11054B-01

Test Type: TOX

Route: Dosing in Water

Species/Strain: Rat/Harlan Sprague Dawley

PA14: Individual Animal Pathology Data (Interim Animals)

Test Compound: Sulfolane

CAS Number: 126-33-0

Target Version: Study Pathologist

Date Report Requested: 02/24/2022

Time Report Requested: 06:57:27

Lab: Battelle with CRL

ANIMAL ID: 1540	TRT#: F1-4	DOSE: 300 mg/L	SEX: Male	REMOVAL DAY: PND126
GENERATION: F1	SELECTION: F1 Interim Males		DISP: Scheduled Removal (Interim)	HISTO: 1702435

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
CARCASS	EPIDIDYMIS, LEFT	EPIDIDYMIS, RIGHT	ESOPHAGUS
EYE	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	KIDNEY, LEFT	KIDNEY, RIGHT	LARYNX
LIVER	LUNG	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	MUSCLE, THIGH	NERVE, SCIATIC	NERVE, TIBIAL
NOSE	PANCREAS	PARATHYROID GLAND	PENIS
PHARYNX	PITUITARY GLAND	PREPUTIAL GLAND	PROSTATE
SALIVARY GLANDS	SEMINAL VESICLE	SKIN	SPINAL CORD
SPLEEN	STOMACH, FORESTOMACH	STOMACH, GLANDULAR	TESTIS, LEFT
TESTIS, RIGHT	THYMUS	THYROID GLAND	TONGUE
TRACHEA	TRIGEMINAL GANGLION	URINARY BLADDER	ZYMBALS GLAND

OBSERVATIONS

NO CORRELATE	TO OBSERVATION / MASS
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HISTOPATH TISSUE STATUS

OBSERVATIONS

KIDNEY	CHRONIC PROGRESSIVE NEPHROPATHY	MINIMAL
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Study Number: C11054B-01

Test Type: TOX

Route: Dosing in Water

Species/Strain: Rat/Harlan Sprague Dawley

PA14: Individual Animal Pathology Data (Interim Animals)

Test Compound: Sulfolane

CAS Number: 126-33-0

Target Version: Study Pathologist

Date Report Requested: 02/24/2022

Time Report Requested: 06:57:27

Lab: Battelle with CRL

ANIMAL ID: 1541	TRT#: F1-5	DOSE: 1000 mg/L	SEX: Male	REMOVAL DAY: PND127
GENERATION: F1	SELECTION: F1 Interim Males		DISP: Scheduled Removal (Interim)	HISTO: 1702546

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
CARCASS	EPIDIDYMIS, LEFT	EPIDIDYMIS, RIGHT	ESOPHAGUS
EYE	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	KIDNEY, LEFT	KIDNEY, RIGHT	LARYNX
LIVER	LUNG	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	MUSCLE, THIGH	NERVE, SCIATIC	NERVE, TIBIAL
NOSE	PANCREAS	PARATHYROID GLAND	PENIS
PHARYNX	PITUITARY GLAND	PREPUTIAL GLAND	PROSTATE
SALIVARY GLANDS	SEMINAL VESICLE	SKIN	SPINAL CORD
SPLEEN	STOMACH, FORESTOMACH	STOMACH, GLANDULAR	TESTIS, LEFT
TESTIS, RIGHT	THYMUS	THYROID GLAND	TONGUE
TRACHEA	TRIGEMINAL GANGLION	URINARY BLADDER	ZYMBALS GLAND

OBSERVATIONS

NO CORRELATE	TO OBSERVATION / MASS
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HISTOPATH TISSUE STATUS

Within Normal Limits

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
EPIDIDYMIS	ESOPHAGUS	EYE	HARDERIAN GLAND
HEART	INTESTINE, LARGE, CECUM	INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM
INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM	INTESTINE, SMALL, JEJUNUM	LIVER
LUNG	LYMPH NODE	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	NOSE	PANCREAS	PITUITARY GLAND
PREPUTIAL GLAND	PROSTATE	SALIVARY GLAND	SEMINAL VESICLE
SKIN	SPLEEN	STOMACH, FORESTOMACH	STOMACH, GLANDULAR
TESTIS	THYMUS	THYROID GLAND	TRACHEA
URINARY BLADDER			

NO SECTION

PARATHYROID GLAND

OBSERVATIONS

KIDNEY	CHRONIC PROGRESSIVE NEPHROPATHY	MINIMAL
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Study Number: C11054B-01**Test Type:** TOX**Route:** Dosing in Water**Species/Strain:** Rat/Harlan Sprague Dawley**PA14: Individual Animal Pathology Data (Interim Animals)****Test Compound:** Sulfolane**CAS Number:** 126-33-0**Target Version:** Study Pathologist**Date Report Requested:** 02/24/2022**Time Report Requested:** 06:57:27**Lab:** Battelle with CRL

ANIMAL ID: 1542	TRT#: F1-5	DOSE: 1000 mg/L	SEX: Male	REMOVAL DAY: PND127
GENERATION: F1	SELECTION: F1 Interim Males		DISP: Scheduled Removal (Interim)	HISTO: 1702547

GROSS PATHOLOGY TISSUE STATUS**Within Normal Limits**

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
CARCASS	EPIDIDYMIS, LEFT	EPIDIDYMIS, RIGHT	ESOPHAGUS
EYE	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	KIDNEY, LEFT	KIDNEY, RIGHT	LARYNX
LIVER	LUNG	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	MUSCLE, THIGH	NERVE, SCIATIC	NERVE, TIBIAL
NOSE	PANCREAS	PARATHYROID GLAND	PENIS
PHARYNX	PITUITARY GLAND	PREPUTIAL GLAND	PROSTATE
SALIVARY GLANDS	SEMINAL VESICLE	SKIN	SPINAL CORD
SPLEEN	STOMACH, FORESTOMACH	STOMACH, GLANDULAR	TESTIS, LEFT
TESTIS, RIGHT	THYMUS	THYROID GLAND	TONGUE
TRACHEA	TRIGEMINAL GANGLION	URINARY BLADDER	ZYMBALS GLAND

OBSERVATIONS

NO CORRELATE	TO OBSERVATION / MASS
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HISTOPATH TISSUE STATUS**Within Normal Limits**

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
EPIDIDYMIS	ESOPHAGUS	EYE	HARDERIAN GLAND
HEART	INTESTINE, LARGE, CECUM	INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM
INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM	INTESTINE, SMALL, JEJUNUM	LIVER
LUNG	LYMPH NODE	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	NOSE	PANCREAS	PARATHYROID GLAND
PITUITARY GLAND	PREPUTIAL GLAND	PROSTATE	SALIVARY GLAND
SEMINAL VESICLE	SKIN	SPLEEN	STOMACH, FORESTOMACH
STOMACH, GLANDULAR	TESTIS	THYMUS	THYROID GLAND
TRACHEA	URINARY BLADDER		

OBSERVATIONS

KIDNEY	CHRONIC PROGRESSIVE NEPHROPATHY	MINIMAL
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Study Number: C11054B-01**Test Type:** TOX**Route:** Dosing in Water**Species/Strain:** Rat/Harlan Sprague Dawley**PA14: Individual Animal Pathology Data (Interim Animals)****Test Compound:** Sulfolane**CAS Number:** 126-33-0**Target Version:** Study Pathologist**Date Report Requested:** 02/24/2022**Time Report Requested:** 06:57:27**Lab:** Battelle with CRL

ANIMAL ID: 1543	TRT#: F1-5	DOSE: 1000 mg/L	SEX: Male	REMOVAL DAY: PND127
GENERATION: F1	SELECTION: F1 Interim Males		DISP: Scheduled Removal (Interim)	HISTO: 1702548

GROSS PATHOLOGY TISSUE STATUS**Within Normal Limits**

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
CARCASS	EPIDIDYMIS, LEFT	EPIDIDYMIS, RIGHT	ESOPHAGUS
EYE	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	KIDNEY, LEFT	KIDNEY, RIGHT	LARYNX
LIVER	LUNG	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	MUSCLE, THIGH	NERVE, SCIATIC	NERVE, TIBIAL
NOSE	PANCREAS	PARATHYROID GLAND	PENIS
PHARYNX	PITUITARY GLAND	PREPUTIAL GLAND	PROSTATE
SALIVARY GLANDS	SEMINAL VESICLE	SKIN	SPINAL CORD
SPLEEN	STOMACH, FORESTOMACH	STOMACH, GLANDULAR	TESTIS, LEFT
TESTIS, RIGHT	THYMUS	THYROID GLAND	TONGUE
TRACHEA	TRIGEMINAL GANGLION	URINARY BLADDER	ZYMBALS GLAND

OBSERVATIONS

NO CORRELATE	TO OBSERVATION / MASS
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HISTOPATH TISSUE STATUS**Within Normal Limits**

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
EPIDIDYMIS	ESOPHAGUS	EYE	HARDERIAN GLAND
HEART	INTESTINE, LARGE, CECUM	INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM
INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM	INTESTINE, SMALL, JEJUNUM	LIVER
LUNG	LYMPH NODE	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	NOSE	PANCREAS	PARATHYROID GLAND
PITUITARY GLAND	PREPUTIAL GLAND	PROSTATE	SALIVARY GLAND
SEMINAL VESICLE	SKIN	SPLEEN	STOMACH, FORESTOMACH
STOMACH, GLANDULAR	TESTIS	THYMUS	THYROID GLAND
TRACHEA	URINARY BLADDER		

OBSERVATIONS

KIDNEY	CHRONIC PROGRESSIVE NEPHROPATHY	MINIMAL
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Study Number: C11054B-01**Test Type:** TOX**Route:** Dosing in Water**Species/Strain:** Rat/Harlan Sprague Dawley**PA14: Individual Animal Pathology Data (Interim Animals)****Test Compound:** Sulfolane**CAS Number:** 126-33-0**Target Version:** Study Pathologist**Date Report Requested:** 02/24/2022**Time Report Requested:** 06:57:27**Lab:** Battelle with CRL

ANIMAL ID: 1544	TRT#: F1-5	DOSE: 1000 mg/L	SEX: Male	REMOVAL DAY: PND127
GENERATION: F1	SELECTION: F1 Interim Males		DISP: Scheduled Removal (Interim)	HISTO: 1702549

GROSS PATHOLOGY TISSUE STATUS**Within Normal Limits**

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
CARCASS	EPIDIDYMIS, LEFT	EPIDIDYMIS, RIGHT	ESOPHAGUS
EYE	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	KIDNEY, LEFT	KIDNEY, RIGHT	LARYNX
LIVER	LUNG	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	MUSCLE, THIGH	NERVE, SCIATIC	NERVE, TIBIAL
NOSE	PANCREAS	PARATHYROID GLAND	PENIS
PHARYNX	PITUITARY GLAND	PREPUTIAL GLAND	PROSTATE
SALIVARY GLANDS	SEMINAL VESICLE	SKIN	SPINAL CORD
SPLEEN	STOMACH, FORESTOMACH	STOMACH, GLANDULAR	TESTIS, LEFT
TESTIS, RIGHT	THYMUS	THYROID GLAND	TONGUE
TRACHEA	TRIGEMINAL GANGLION	URINARY BLADDER	ZYMBALS GLAND

OBSERVATIONS

NO CORRELATE	TO OBSERVATION / MASS
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HISTOPATH TISSUE STATUS**Within Normal Limits**

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
EPIDIDYMIS	ESOPHAGUS	EYE	HARDERIAN GLAND
HEART	INTESTINE, LARGE, CECUM	INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM
INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM	INTESTINE, SMALL, JEJUNUM	KIDNEY
LIVER	LUNG	LYMPH NODE	LYMPH NODE, MANDIBULAR
LYMPH NODE, MESENTERIC	MAMMARY GLAND	NOSE	PANCREAS
PARATHYROID GLAND	PITUITARY GLAND	PREPUTIAL GLAND	PROSTATE
SALIVARY GLAND	SEMINAL VESICLE	SKIN	SPLEEN
STOMACH, FORESTOMACH	STOMACH, GLANDULAR	TESTIS	THYMUS
THYROID GLAND	TRACHEA	URINARY BLADDER	

Study Number: C11054B-01**Test Type:** TOX**Route:** Dosing in Water**Species/Strain:** Rat/Harlan Sprague Dawley**PA14: Individual Animal Pathology Data (Interim Animals)****Test Compound:** Sulfolane**CAS Number:** 126-33-0**Target Version:** Study Pathologist**Date Report Requested:** 02/24/2022**Time Report Requested:** 06:57:27**Lab:** Battelle with CRL

ANIMAL ID: 1545	TRT#: F1-5	DOSE: 1000 mg/L	SEX: Male	REMOVAL DAY: PND127
GENERATION: F1	SELECTION: F1 Interim Males		DISP: Scheduled Removal (Interim)	HISTO: 1702550

GROSS PATHOLOGY TISSUE STATUS**Within Normal Limits**

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
CARCASS	EPIDIDYMIS, LEFT	EPIDIDYMIS, RIGHT	ESOPHAGUS
EYE	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	KIDNEY, LEFT	KIDNEY, RIGHT	LARYNX
LIVER	LUNG	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	MUSCLE, THIGH	NERVE, SCIATIC	NERVE, TIBIAL
NOSE	PANCREAS	PARATHYROID GLAND	PENIS
PHARYNX	PITUITARY GLAND	PREPUTIAL GLAND	PROSTATE
SALIVARY GLANDS	SEMINAL VESICLE	SKIN	SPINAL CORD
SPLEEN	STOMACH, FORESTOMACH	STOMACH, GLANDULAR	TESTIS, LEFT
TESTIS, RIGHT	THYMUS	THYROID GLAND	TONGUE
TRACHEA	TRIGEMINAL GANGLION	URINARY BLADDER	ZYMBALS GLAND

OBSERVATIONS

NO CORRELATE	TO OBSERVATION / MASS
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HISTOPATH TISSUE STATUS**Within Normal Limits**

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
EPIDIDYMIS	ESOPHAGUS	EYE	HARDERIAN GLAND
HEART	INTESTINE, LARGE, CECUM	INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM
INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM	INTESTINE, SMALL, JEJUNUM	LIVER
LUNG	LYMPH NODE	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	NOSE	PANCREAS	PARATHYROID GLAND
PITUITARY GLAND	PREPUTIAL GLAND	PROSTATE	SALIVARY GLAND
SEMINAL VESICLE	SKIN	SPLEEN	STOMACH, FORESTOMACH
STOMACH, GLANDULAR	TESTIS	THYMUS	THYROID GLAND
TRACHEA	URINARY BLADDER		

OBSERVATIONS

KIDNEY	CHRONIC PROGRESSIVE NEPHROPATHY	MINIMAL
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Study Number: C11054B-01**Test Type:** TOX**Route:** Dosing in Water**Species/Strain:** Rat/Harlan Sprague Dawley**PA14: Individual Animal Pathology Data (Interim Animals)****Test Compound:** Sulfolane**CAS Number:** 126-33-0**Target Version:** Study Pathologist**Date Report Requested:** 02/24/2022**Time Report Requested:** 06:57:27**Lab:** Battelle with CRL

ANIMAL ID: 1546	TRT#: F1-5	DOSE: 1000 mg/L	SEX: Male	REMOVAL DAY: PND127
GENERATION: F1	SELECTION: F1 Interim Males		DISP: Scheduled Removal (Interim)	HISTO: 1702551

GROSS PATHOLOGY TISSUE STATUS**Within Normal Limits**

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
CARCASS	EPIDIDYMIS, LEFT	EPIDIDYMIS, RIGHT	ESOPHAGUS
EYE	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	KIDNEY, LEFT	KIDNEY, RIGHT	LARYNX
LIVER	LUNG	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	MUSCLE, THIGH	NERVE, SCIATIC	NERVE, TIBIAL
NOSE	PANCREAS	PARATHYROID GLAND	PENIS
PHARYNX	PITUITARY GLAND	PREPUTIAL GLAND	PROSTATE
SALIVARY GLANDS	SEMINAL VESICLE	SKIN	SPINAL CORD
SPLEEN	STOMACH, FORESTOMACH	STOMACH, GLANDULAR	TESTIS, LEFT
TESTIS, RIGHT	THYMUS	THYROID GLAND	TONGUE
TRACHEA	TRIGEMINAL GANGLION	URINARY BLADDER	ZYMBALS GLAND

OBSERVATIONS

NO CORRELATE	TO OBSERVATION / MASS
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HISTOPATH TISSUE STATUS**Within Normal Limits**

ADRENAL GLAND	AORTA	BRAIN	EPIDIDYMIS
ESOPHAGUS	EYE	HARDERIAN GLAND	HEART
INTESTINE, LARGE, CECUM	INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM
INTESTINE, SMALL, ILEUM	INTESTINE, SMALL, JEJUNUM	LIVER	LUNG
LYMPH NODE	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC	MAMMARY GLAND
NOSE	PANCREAS	PARATHYROID GLAND	PITUITARY GLAND
PREPUTIAL GLAND	PROSTATE	SALIVARY GLAND	SEMINAL VESICLE
SKIN	SPLEEN	STOMACH, FORESTOMACH	STOMACH, GLANDULAR
TESTIS	THYMUS	THYROID GLAND	TRACHEA
URINARY BLADDER			

OBSERVATIONS

BONE, FEMUR	FIBROSIS	MINIMAL
KIDNEY	CHRONIC PROGRESSIVE NEPHROPATHY	MINIMAL

Study Number: C11054B-01**Test Type:** TOX**Route:** Dosing in Water**Species/Strain:** Rat/Harlan Sprague Dawley**PA14: Individual Animal Pathology Data (Interim Animals)****Test Compound:** Sulfolane**CAS Number:** 126-33-0**Target Version:** Study Pathologist**Date Report Requested:** 02/24/2022**Time Report Requested:** 06:57:27**Lab:** Battelle with CRL

ANIMAL ID: 1547	TRT#: F1-5	DOSE: 1000 mg/L	SEX: Male	REMOVAL DAY: PND127
GENERATION: F1	SELECTION: F1 Interim Males		DISP: Scheduled Removal (Interim)	HISTO: 1702552

GROSS PATHOLOGY TISSUE STATUS**Within Normal Limits**

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
CARCASS	EPIDIDYMIS, LEFT	EPIDIDYMIS, RIGHT	ESOPHAGUS
EYE	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	KIDNEY, LEFT	KIDNEY, RIGHT	LARYNX
LIVER	LUNG	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	MUSCLE, THIGH	NERVE, SCIATIC	NERVE, TIBIAL
NOSE	PANCREAS	PARATHYROID GLAND	PENIS
PHARYNX	PITUITARY GLAND	PREPUTIAL GLAND	PROSTATE
SALIVARY GLANDS	SEMINAL VESICLE	SKIN	SPINAL CORD
SPLEEN	STOMACH, FORESTOMACH	STOMACH, GLANDULAR	TESTIS, LEFT
TESTIS, RIGHT	THYMUS	THYROID GLAND	TONGUE
TRACHEA	TRIGEMINAL GANGLION	URINARY BLADDER	ZYMBALS GLAND

OBSERVATIONS

NO CORRELATE	TO OBSERVATION / MASS
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HISTOPATH TISSUE STATUS**Within Normal Limits**

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
EPIDIDYMIS	ESOPHAGUS	EYE	HARDERIAN GLAND
HEART	INTESTINE, LARGE, CECUM	INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM
INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM	INTESTINE, SMALL, JEJUNUM	LIVER
LUNG	LYMPH NODE	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	NOSE	PANCREAS	PARATHYROID GLAND
PITUITARY GLAND	PREPUTIAL GLAND	PROSTATE	SALIVARY GLAND
SEMINAL VESICLE	SKIN	SPLEEN	STOMACH, FORESTOMACH
STOMACH, GLANDULAR	TESTIS	THYMUS	THYROID GLAND
TRACHEA	URINARY BLADDER		

OBSERVATIONS

KIDNEY	CHRONIC PROGRESSIVE NEPHROPATHY	MINIMAL
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Study Number: C11054B-01

Test Type: TOX

Route: Dosing in Water

Species/Strain: Rat/Harlan Sprague Dawley

PA14: Individual Animal Pathology Data (Interim Animals)

Test Compound: Sulfolane

CAS Number: 126-33-0

Target Version: Study Pathologist

Date Report Requested: 02/24/2022

Time Report Requested: 06:57:27

Lab: Battelle with CRL

ANIMAL ID: 1548	TRT#: F1-5	DOSE: 1000 mg/L	SEX: Male	REMOVAL DAY: PND127
GENERATION: F1	SELECTION: F1 Interim Males		DISP: Scheduled Removal (Interim)	HISTO: 1702553

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
CARCASS	EPIDIDYMIS, LEFT	EPIDIDYMIS, RIGHT	ESOPHAGUS
EYE	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	KIDNEY, LEFT	KIDNEY, RIGHT	LARYNX
LIVER	LUNG	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	MUSCLE, THIGH	NERVE, SCIATIC	NERVE, TIBIAL
NOSE	PANCREAS	PARATHYROID GLAND	PENIS
PHARYNX	PITUITARY GLAND	PREPUTIAL GLAND	PROSTATE
SALIVARY GLANDS	SEMINAL VESICLE	SKIN	SPINAL CORD
SPLEEN	STOMACH, FORESTOMACH	STOMACH, GLANDULAR	TESTIS, LEFT
TESTIS, RIGHT	THYMUS	THYROID GLAND	TONGUE
TRACHEA	TRIGEMINAL GANGLION	URINARY BLADDER	ZYMBALS GLAND

OBSERVATIONS

NO CORRELATE	TO OBSERVATION / MASS
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HISTOPATH TISSUE STATUS

Within Normal Limits

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
EPIDIDYMIS	ESOPHAGUS	EYE	HARDERIAN GLAND
HEART	INTESTINE, LARGE, CECUM	INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM
INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM	INTESTINE, SMALL, JEJUNUM	LIVER
LUNG	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC	MAMMARY GLAND
NOSE	PANCREAS	PARATHYROID GLAND	PITUITARY GLAND
PREPUTIAL GLAND	PROSTATE	SALIVARY GLAND	SEMINAL VESICLE
SKIN	SPLEEN	STOMACH, FORESTOMACH	STOMACH, GLANDULAR
TESTIS	THYMUS	THYROID GLAND	TRACHEA
URINARY BLADDER			

NOT PRESENT

LYMPH NODE

OBSERVATIONS

KIDNEY	CHRONIC PROGRESSIVE NEPHROPATHY	MINIMAL
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Study Number: C11054B-01**Test Type:** TOX**Route:** Dosing in Water**Species/Strain:** Rat/Harlan Sprague Dawley**PA14: Individual Animal Pathology Data (Interim Animals)****Test Compound:** Sulfolane**CAS Number:** 126-33-0**Target Version:** Study Pathologist**Date Report Requested:** 02/24/2022**Time Report Requested:** 06:57:27**Lab:** Battelle with CRL

ANIMAL ID: 1549	TRT#: F1-5	DOSE: 1000 mg/L	SEX: Male	REMOVAL DAY: PND126
GENERATION: F1	SELECTION: F1 Interim Males		DISP: Scheduled Removal (Interim)	HISTO: 1702554

GROSS PATHOLOGY TISSUE STATUS**Within Normal Limits**

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
CARCASS	EPIDIDYMIS, LEFT	EPIDIDYMIS, RIGHT	ESOPHAGUS
EYE	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	KIDNEY, LEFT	KIDNEY, RIGHT	LARYNX
LIVER	LUNG	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	MUSCLE, THIGH	NERVE, SCIATIC	NERVE, TIBIAL
NOSE	PANCREAS	PARATHYROID GLAND	PENIS
PHARYNX	PITUITARY GLAND	PREPUTIAL GLAND	PROSTATE
SALIVARY GLANDS	SEMINAL VESICLE	SKIN	SPINAL CORD
SPLEEN	STOMACH, FORESTOMACH	STOMACH, GLANDULAR	TESTIS, LEFT
TESTIS, RIGHT	THYMUS	THYROID GLAND	TONGUE
TRACHEA	TRIGEMINAL GANGLION	URINARY BLADDER	ZYMBALS GLAND

OBSERVATIONS

NO CORRELATE	TO OBSERVATION / MASS
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HISTOPATH TISSUE STATUS**Within Normal Limits**

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
EPIDIDYMIS	ESOPHAGUS	EYE	HARDERIAN GLAND
HEART	INTESTINE, LARGE, CECUM	INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM
INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM	INTESTINE, SMALL, JEJUNUM	LIVER
LUNG	LYMPH NODE	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	NOSE	PANCREAS	PARATHYROID GLAND
PITUITARY GLAND	PREPUTIAL GLAND	PROSTATE	SALIVARY GLAND
SEMINAL VESICLE	SKIN	SPLEEN	STOMACH, FORESTOMACH
STOMACH, GLANDULAR	TESTIS	THYMUS	THYROID GLAND
TRACHEA	URINARY BLADDER		

OBSERVATIONS

KIDNEY	CHRONIC PROGRESSIVE NEPHROPATHY	MINIMAL
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Study Number: C11054B-01**Test Type:** TOX**Route:** Dosing in Water**Species/Strain:** Rat/Harlan Sprague Dawley**PA14: Individual Animal Pathology Data (Interim Animals)****Test Compound:** Sulfolane**CAS Number:** 126-33-0**Target Version:** Study Pathologist**Date Report Requested:** 02/24/2022**Time Report Requested:** 06:57:27**Lab:** Battelle with CRL

ANIMAL ID: 1550	TRT#: F1-5	DOSE: 1000 mg/L	SEX: Male	REMOVAL DAY: PND126
GENERATION: F1	SELECTION: F1 Interim Males		DISP: Scheduled Removal (Interim)	HISTO: 1702555

GROSS PATHOLOGY TISSUE STATUS**Within Normal Limits**

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
CARCASS	EPIDIDYMIS, LEFT	EPIDIDYMIS, RIGHT	ESOPHAGUS
EYE	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	KIDNEY, LEFT	KIDNEY, RIGHT	LARYNX
LIVER	LUNG	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	MUSCLE, THIGH	NERVE, SCIATIC	NERVE, TIBIAL
NOSE	PANCREAS	PARATHYROID GLAND	PENIS
PHARYNX	PITUITARY GLAND	PREPUTIAL GLAND	PROSTATE
SALIVARY GLANDS	SEMINAL VESICLE	SKIN	SPINAL CORD
SPLEEN	STOMACH, FORESTOMACH	STOMACH, GLANDULAR	TESTIS, LEFT
TESTIS, RIGHT	THYMUS	THYROID GLAND	TONGUE
TRACHEA	TRIGEMINAL GANGLION	URINARY BLADDER	ZYMBALS GLAND

OBSERVATIONS

NO CORRELATE	TO OBSERVATION / MASS
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HISTOPATH TISSUE STATUS**Within Normal Limits**

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
EPIDIDYMIS	ESOPHAGUS	EYE	HEART
INTESTINE, LARGE, CECUM	INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM
INTESTINE, SMALL, ILEUM	INTESTINE, SMALL, JEJUNUM	LUNG	LYMPH NODE
LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC	MAMMARY GLAND	NOSE
PANCREAS	PARATHYROID GLAND	PITUITARY GLAND	PREPUTIAL GLAND
PROSTATE	SALIVARY GLAND	SEMINAL VESICLE	SKIN
SPLEEN	STOMACH, FORESTOMACH	STOMACH, GLANDULAR	TESTIS
THYMUS	THYROID GLAND	TRACHEA	URINARY BLADDER

OBSERVATIONS

HARDERIAN GLAND	LYMPHOCYTE	INFILTRATION CELLULAR	MILD
KIDNEY		CHRONIC PROGRESSIVE NEPHROPATHY	MILD
LIVER		EXTRAMEDULLARY HEMATOPOIESIS	INCREASED, MINIMAL

Study Number: C11054B-01**Test Type:** TOX**Route:** Dosing in Water**Species/Strain:** Rat/Harlan Sprague Dawley**PA14: Individual Animal Pathology Data (Interim Animals)****Test Compound:** Sulfolane**CAS Number:** 126-33-0**Target Version:** Study Pathologist**Date Report Requested:** 02/24/2022**Time Report Requested:** 06:57:27**Lab:** Battelle with CRL

ANIMAL ID: 1551	TRT#: F1-1	DOSE: 0 mg/L	SEX: Female	REMOVAL DAY: PND128
GENERATION: F1	SELECTION: F1 Interim Females		DISP: Scheduled Removal (Interim)	HISTO: 1702691

GROSS PATHOLOGY TISSUE STATUS**Within Normal Limits**

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
CARCASS	CERVIX	CLITORAL GLAND	ESOPHAGUS
EYE	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	KIDNEY, LEFT	KIDNEY, RIGHT	LARYNX
LIVER	LUNG	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	MUSCLE, THIGH	NERVE, SCIATIC	NERVE, TIBIAL
NOSE	OVARY, LEFT	OVARY, RIGHT	OVIDUCT
PANCREAS	PARATHYROID GLAND	PHARYNX	PITUITARY GLAND
SALIVARY GLANDS	SKIN	SPINAL CORD	SPLEEN
STOMACH, FORESTOMACH	STOMACH, GLANDULAR	THYMUS	THYROID GLAND
TONGUE	TRACHEA	TRIGEMINAL GANGLION	URINARY BLADDER
UTERUS	VAGINA	ZYMBALS GLAND	

OBSERVATIONS

NO CORRELATE	TO OBSERVATION / MASS
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HISTOPATH TISSUE STATUS**Within Normal Limits**

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
CLITORAL GLAND	ESOPHAGUS	EYE	HARDERIAN GLAND
HEART	INTESTINE, LARGE, CECUM	INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM
INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM	INTESTINE, SMALL, JEJUNUM	KIDNEY
LIVER	LUNG	LYMPH NODE	LYMPH NODE, MANDIBULAR
LYMPH NODE, MESENTERIC	MAMMARY GLAND	NOSE	OVARY
PANCREAS	PARATHYROID GLAND	PITUITARY GLAND	SALIVARY GLAND
SKIN	SPLEEN	STOMACH, FORESTOMACH	STOMACH, GLANDULAR
THYMUS	THYROID GLAND	TRACHEA	URINARY BLADDER
UTERUS	UTERUS, CERVIX	VAGINA	

Study Number: C11054B-01**Test Type:** TOX**Route:** Dosing in Water**Species/Strain:** Rat/Harlan Sprague Dawley**PA14: Individual Animal Pathology Data (Interim Animals)****Test Compound:** Sulfolane**CAS Number:** 126-33-0**Target Version:** Study Pathologist**Date Report Requested:** 02/24/2022**Time Report Requested:** 06:57:27**Lab:** Battelle with CRL

ANIMAL ID: 1552	TRT#: F1-1	DOSE: 0 mg/L	SEX: Female	REMOVAL DAY: PND128
GENERATION: F1	SELECTION: F1 Interim Females		DISP: Scheduled Removal (Interim)	HISTO: 1702692

GROSS PATHOLOGY TISSUE STATUS**Within Normal Limits**

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
CARCASS	CERVIX	CLITORAL GLAND	ESOPHAGUS
EYE	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	KIDNEY, LEFT	KIDNEY, RIGHT	LARYNX
LIVER	LUNG	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	MUSCLE, THIGH	NERVE, SCIATIC	NERVE, TIBIAL
NOSE	OVARY, LEFT	OVARY, RIGHT	OVIDUCT
PANCREAS	PARATHYROID GLAND	PHARYNX	PITUITARY GLAND
SALIVARY GLANDS	SKIN	SPINAL CORD	SPLEEN
STOMACH, FORESTOMACH	STOMACH, GLANDULAR	THYMUS	THYROID GLAND
TONGUE	TRACHEA	TRIGEMINAL GANGLION	URINARY BLADDER
UTERUS	VAGINA	ZYMBALS GLAND	

OBSERVATIONS

NO CORRELATE	TO OBSERVATION / MASS
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HISTOPATH TISSUE STATUS**Within Normal Limits**

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
CLITORAL GLAND	ESOPHAGUS	EYE	HARDERIAN GLAND
HEART	INTESTINE, LARGE, CECUM	INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM
INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM	INTESTINE, SMALL, JEJUNUM	LIVER
LYMPH NODE	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC	MAMMARY GLAND
NOSE	OVARY	PANCREAS	PARATHYROID GLAND
PITUITARY GLAND	SALIVARY GLAND	SKIN	SPLEEN
STOMACH, FORESTOMACH	STOMACH, GLANDULAR	THYMUS	THYROID GLAND
TRACHEA	URINARY BLADDER	UTERUS	UTERUS, CERVIX
VAGINA			

OBSERVATIONS

KIDNEY		CHRONIC PROGRESSIVE NEPHROPATHY	MINIMAL
LUNG	ALVEOLUS	INFILTRATION CELLULAR	HISTIOCYTE, MINIMAL

Study Number: C11054B-01**Test Type:** TOX**Route:** Dosing in Water**Species/Strain:** Rat/Harlan Sprague Dawley**PA14: Individual Animal Pathology Data (Interim Animals)****Test Compound:** Sulfolane**CAS Number:** 126-33-0**Target Version:** Study Pathologist**Date Report Requested:** 02/24/2022**Time Report Requested:** 06:57:27**Lab:** Battelle with CRL

ANIMAL ID: 1553	TRT#: F1-1	DOSE: 0 mg/L	SEX: Female	REMOVAL DAY: PND128
GENERATION: F1	SELECTION: F1 Interim Females		DISP: Scheduled Removal (Interim)	HISTO: 1702693

GROSS PATHOLOGY TISSUE STATUS**Within Normal Limits**

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
CARCASS	CERVIX	CLITORAL GLAND	ESOPHAGUS
EYE	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	KIDNEY, LEFT	KIDNEY, RIGHT	LARYNX
LIVER	LUNG	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	MUSCLE, THIGH	NERVE, SCIATIC	NERVE, TIBIAL
NOSE	OVARY, LEFT	OVARY, RIGHT	OVIDUCT
PANCREAS	PARATHYROID GLAND	PHARYNX	PITUITARY GLAND
SALIVARY GLANDS	SKIN	SPINAL CORD	SPLEEN
STOMACH, FORESTOMACH	STOMACH, GLANDULAR	THYMUS	THYROID GLAND
TONGUE	TRACHEA	TRIGEMINAL GANGLION	URINARY BLADDER
UTERUS	VAGINA	ZYMBALS GLAND	

OBSERVATIONS

NO CORRELATE	TO OBSERVATION / MASS
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HISTOPATH TISSUE STATUS**Within Normal Limits**

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
CLITORAL GLAND	ESOPHAGUS	EYE	HARDERIAN GLAND
HEART	INTESTINE, LARGE, CECUM	INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM
INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM	INTESTINE, SMALL, JEJUNUM	KIDNEY
LIVER	LUNG	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	NOSE	OVARY	PANCREAS
PARATHYROID GLAND	PITUITARY GLAND	SALIVARY GLAND	SKIN
SPLEEN	STOMACH, FORESTOMACH	THYMUS	TRACHEA
URINARY BLADDER	UTERUS	UTERUS, CERVIX	VAGINA

NOT PRESENT

LYMPH NODE

OBSERVATIONS

STOMACH, GLANDULAR	MINERAL	MINIMAL
THYROID GLAND	CYST	CONGENITAL

Study Number: C11054B-01**Test Type:** TOX**Route:** Dosing in Water**Species/Strain:** Rat/Harlan Sprague Dawley**PA14: Individual Animal Pathology Data (Interim Animals)****Test Compound:** Sulfolane**CAS Number:** 126-33-0**Target Version:** Study Pathologist**Date Report Requested:** 02/24/2022**Time Report Requested:** 06:57:27**Lab:** Battelle with CRL

ANIMAL ID: 1554	TRT#: F1-1	DOSE: 0 mg/L	SEX: Female	REMOVAL DAY: PND128
GENERATION: F1	SELECTION: F1 Interim Females		DISP: Scheduled Removal (Interim)	HISTO: 1702694

GROSS PATHOLOGY TISSUE STATUS**Within Normal Limits**

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
CARCASS	CERVIX	CLITORAL GLAND	ESOPHAGUS
EYE	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	KIDNEY, LEFT	KIDNEY, RIGHT	LARYNX
LIVER	LUNG	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	MUSCLE, THIGH	NERVE, SCIATIC	NERVE, TIBIAL
NOSE	OVARY, LEFT	OVARY, RIGHT	OVIDUCT
PANCREAS	PARATHYROID GLAND	PHARYNX	PITUITARY GLAND
SALIVARY GLANDS	SKIN	SPINAL CORD	SPLEEN
STOMACH, FORESTOMACH	STOMACH, GLANDULAR	THYMUS	THYROID GLAND
TONGUE	TRACHEA	TRIGEMINAL GANGLION	URINARY BLADDER
UTERUS	VAGINA	ZYMBALS GLAND	

OBSERVATIONS

NO CORRELATE	TO OBSERVATION / MASS
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HISTOPATH TISSUE STATUS**Within Normal Limits**

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
CLITORAL GLAND	ESOPHAGUS	EYE	HARDERIAN GLAND
HEART	INTESTINE, LARGE, CECUM	INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM
INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM	INTESTINE, SMALL, JEJUNUM	LIVER
LUNG	LYMPH NODE	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	NOSE	OVARY	PANCREAS
PARATHYROID GLAND	PITUITARY GLAND	SALIVARY GLAND	SKIN
SPLEEN	STOMACH, FORESTOMACH	STOMACH, GLANDULAR	THYMUS
THYROID GLAND	TRACHEA	URINARY BLADDER	UTERUS
UTERUS, CERVIX	VAGINA		

OBSERVATIONS

KIDNEY	INTERSTITIUM	INFLAMMATION	CHRONIC, FOCAL, MINIMAL
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Study Number: C11054B-01**Test Type:** TOX**Route:** Dosing in Water**Species/Strain:** Rat/Harlan Sprague Dawley**PA14: Individual Animal Pathology Data (Interim Animals)****Test Compound:** Sulfolane**CAS Number:** 126-33-0**Target Version:** Study Pathologist**Date Report Requested:** 02/24/2022**Time Report Requested:** 06:57:27**Lab:** Battelle with CRL

ANIMAL ID: 1555	TRT#: F1-1	DOSE: 0 mg/L	SEX: Female	REMOVAL DAY: PND128
GENERATION: F1	SELECTION: F1 Interim Females		DISP: Scheduled Removal (Interim)	HISTO: 1702695

GROSS PATHOLOGY TISSUE STATUS**Within Normal Limits**

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
CARCASS	CERVIX	CLITORAL GLAND	ESOPHAGUS
EYE	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	KIDNEY, LEFT	KIDNEY, RIGHT	LARYNX
LIVER	LUNG	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	MUSCLE, THIGH	NERVE, SCIATIC	NERVE, TIBIAL
NOSE	OVARY, LEFT	OVARY, RIGHT	OVIDUCT
PANCREAS	PARATHYROID GLAND	PHARYNX	PITUITARY GLAND
SALIVARY GLANDS	SKIN	SPINAL CORD	SPLEEN
STOMACH, FORESTOMACH	STOMACH, GLANDULAR	THYMUS	THYROID GLAND
TONGUE	TRACHEA	TRIGEMINAL GANGLION	URINARY BLADDER
UTERUS	VAGINA	ZYMBALS GLAND	

OBSERVATIONS

NO CORRELATE	TO OBSERVATION / MASS
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HISTOPATH TISSUE STATUS**Within Normal Limits**

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
CLITORAL GLAND	ESOPHAGUS	EYE	HARDERIAN GLAND
HEART	INTESTINE, LARGE, CECUM	INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM
INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM	INTESTINE, SMALL, JEJUNUM	LIVER
LUNG	LYMPH NODE	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	NOSE	PANCREAS	PARATHYROID GLAND
PITUITARY GLAND	SALIVARY GLAND	SKIN	SPLEEN
STOMACH, FORESTOMACH	STOMACH, GLANDULAR	THYMUS	THYROID GLAND
TRACHEA	URINARY BLADDER	UTERUS	UTERUS, CERVIX
VAGINA			

OBSERVATIONS

KIDNEY		CHRONIC PROGRESSIVE NEPHROPATHY	MINIMAL
OVARY	FOLLICLES	CYST	

Study Number: C11054B-01**Test Type:** TOX**Route:** Dosing in Water**Species/Strain:** Rat/Harlan Sprague Dawley**PA14: Individual Animal Pathology Data (Interim Animals)****Test Compound:** Sulfolane**CAS Number:** 126-33-0**Target Version:** Study Pathologist**Date Report Requested:** 02/24/2022**Time Report Requested:** 06:57:27**Lab:** Battelle with CRL

ANIMAL ID: 1556	TRT#: F1-1	DOSE: 0 mg/L	SEX: Female	REMOVAL DAY: PND128
GENERATION: F1	SELECTION: F1 Interim Females		DISP: Scheduled Removal (Interim)	HISTO: 1702696

GROSS PATHOLOGY TISSUE STATUS**Within Normal Limits**

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
CARCASS	CERVIX	CLITORAL GLAND	ESOPHAGUS
EYE	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	KIDNEY, LEFT	KIDNEY, RIGHT	LARYNX
LIVER	LUNG	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	MUSCLE, THIGH	NERVE, SCIATIC	NERVE, TIBIAL
NOSE	OVARY, LEFT	OVARY, RIGHT	OVIDUCT
PANCREAS	PARATHYROID GLAND	PHARYNX	PITUITARY GLAND
SALIVARY GLANDS	SKIN	SPINAL CORD	SPLEEN
STOMACH, FORESTOMACH	STOMACH, GLANDULAR	THYMUS	THYROID GLAND
TONGUE	TRACHEA	TRIGEMINAL GANGLION	URINARY BLADDER
UTERUS	VAGINA	ZYMBALS GLAND	

OBSERVATIONS

NO CORRELATE	TO OBSERVATION / MASS
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HISTOPATH TISSUE STATUS**Within Normal Limits**

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
CLITORAL GLAND	ESOPHAGUS	EYE	HARDERIAN GLAND
HEART	INTESTINE, LARGE, CECUM	INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM
INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM	INTESTINE, SMALL, JEJUNUM	LIVER
LUNG	LYMPH NODE	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	NOSE	OVARY	PANCREAS
PARATHYROID GLAND	PITUITARY GLAND	SALIVARY GLAND	SKIN
SPLEEN	STOMACH, FORESTOMACH	STOMACH, GLANDULAR	THYMUS
THYROID GLAND	TRACHEA	URINARY BLADDER	UTERUS
UTERUS, CERVIX	VAGINA		

OBSERVATIONS

KIDNEY	CHRONIC PROGRESSIVE NEPHROPATHY	MINIMAL
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Study Number: C11054B-01**Test Type:** TOX**Route:** Dosing in Water**Species/Strain:** Rat/Harlan Sprague Dawley**PA14: Individual Animal Pathology Data (Interim Animals)****Test Compound:** Sulfolane**CAS Number:** 126-33-0**Target Version:** Study Pathologist**Date Report Requested:** 02/24/2022**Time Report Requested:** 06:57:27**Lab:** Battelle with CRL

ANIMAL ID: 1557	TRT#: F1-1	DOSE: 0 mg/L	SEX: Female	REMOVAL DAY: PND128
GENERATION: F1	SELECTION: F1 Interim Females		DISP: Scheduled Removal (Interim)	HISTO: 1702697

GROSS PATHOLOGY TISSUE STATUS**Within Normal Limits**

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
CARCASS	CERVIX	CLITORAL GLAND	ESOPHAGUS
EYE	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	KIDNEY, LEFT	KIDNEY, RIGHT	LARYNX
LIVER	LUNG	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	MUSCLE, THIGH	NERVE, SCIATIC	NERVE, TIBIAL
NOSE	OVARY, LEFT	OVARY, RIGHT	OVIDUCT
PANCREAS	PARATHYROID GLAND	PHARYNX	PITUITARY GLAND
SALIVARY GLANDS	SKIN	SPINAL CORD	SPLEEN
STOMACH, FORESTOMACH	STOMACH, GLANDULAR	THYMUS	THYROID GLAND
TONGUE	TRACHEA	TRIGEMINAL GANGLION	URINARY BLADDER
UTERUS	VAGINA	ZYMBALS GLAND	

OBSERVATIONS

NO CORRELATE	TO OBSERVATION / MASS
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HISTOPATH TISSUE STATUS**Within Normal Limits**

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
CLITORAL GLAND	ESOPHAGUS	EYE	HARDERIAN GLAND
HEART	INTESTINE, LARGE, CECUM	INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM
INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM	INTESTINE, SMALL, JEJUNUM	LIVER
LUNG	LYMPH NODE	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	NOSE	OVARY	PANCREAS
PARATHYROID GLAND	PITUITARY GLAND	SALIVARY GLAND	SKIN
SPLEEN	STOMACH, FORESTOMACH	STOMACH, GLANDULAR	THYMUS
THYROID GLAND	TRACHEA	URINARY BLADDER	UTERUS
UTERUS, CERVIX	VAGINA		

OBSERVATIONS

KIDNEY	CHRONIC PROGRESSIVE NEPHROPATHY	MINIMAL
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Study Number: C11054B-01

Test Type: TOX

Route: Dosing in Water

Species/Strain: Rat/Harlan Sprague Dawley

PA14: Individual Animal Pathology Data (Interim Animals)

Test Compound: Sulfolane

CAS Number: 126-33-0

Target Version: Study Pathologist

Date Report Requested: 02/24/2022

Time Report Requested: 06:57:27

Lab: Battelle with CRL

ANIMAL ID: 1558	TRT#: F1-1	DOSE: 0 mg/L	SEX: Female	REMOVAL DAY: PND126
GENERATION: F1	SELECTION: F1 Interim Females		DISP: Scheduled Removal (Interim)	HISTO: 1702698

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
CARCASS	CERVIX	CLITORAL GLAND	ESOPHAGUS
EYE	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	KIDNEY, LEFT	KIDNEY, RIGHT	LARYNX
LIVER	LUNG	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	MUSCLE, THIGH	NERVE, SCIATIC	NERVE, TIBIAL
NOSE	OVARY, LEFT	OVARY, RIGHT	OVIDUCT
PANCREAS	PARATHYROID GLAND	PHARYNX	PITUITARY GLAND
SALIVARY GLANDS	SKIN	SPINAL CORD	SPLEEN
STOMACH, FORESTOMACH	STOMACH, GLANDULAR	THYMUS	THYROID GLAND
TONGUE	TRACHEA	TRIGEMINAL GANGLION	URINARY BLADDER
UTERUS	VAGINA	ZYMBALS GLAND	

OBSERVATIONS

NO CORRELATE	TO OBSERVATION / MASS
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HISTOPATH TISSUE STATUS

Within Normal Limits

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
CLITORAL GLAND	ESOPHAGUS	EYE	HARDERIAN GLAND
HEART	INTESTINE, LARGE, CECUM	INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM
INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM	INTESTINE, SMALL, JEJUNUM	KIDNEY
LIVER	LUNG	LYMPH NODE	LYMPH NODE, MANDIBULAR
LYMPH NODE, MESENTERIC	MAMMARY GLAND	NOSE	OVARY
PANCREAS	PARATHYROID GLAND	PITUITARY GLAND	SALIVARY GLAND
SKIN	SPLEEN	STOMACH, FORESTOMACH	STOMACH, GLANDULAR
THYMUS	THYROID GLAND	TRACHEA	URINARY BLADDER
UTERUS	UTERUS, CERVIX	VAGINA	

Study Number: C11054B-01**Test Type:** TOX**Route:** Dosing in Water**Species/Strain:** Rat/Harlan Sprague Dawley**PA14: Individual Animal Pathology Data (Interim Animals)****Test Compound:** Sulfolane**CAS Number:** 126-33-0**Target Version:** Study Pathologist**Date Report Requested:** 02/24/2022**Time Report Requested:** 06:57:27**Lab:** Battelle with CRL

ANIMAL ID: 1559	TRT#: F1-1	DOSE: 0 mg/L	SEX: Female	REMOVAL DAY: PND126
GENERATION: F1	SELECTION: F1 Interim Females		DISP: Scheduled Removal (Interim)	HISTO: 1702699

GROSS PATHOLOGY TISSUE STATUS**Within Normal Limits**

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
CARCASS	CERVIX	CLITORAL GLAND	ESOPHAGUS
EYE	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	KIDNEY, LEFT	KIDNEY, RIGHT	LARYNX
LIVER	LUNG	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	MUSCLE, THIGH	NERVE, SCIATIC	NERVE, TIBIAL
NOSE	OVARY, LEFT	OVARY, RIGHT	OVIDUCT
PANCREAS	PARATHYROID GLAND	PHARYNX	PITUITARY GLAND
SALIVARY GLANDS	SKIN	SPINAL CORD	SPLEEN
STOMACH, FORESTOMACH	STOMACH, GLANDULAR	THYMUS	THYROID GLAND
TONGUE	TRACHEA	TRIGEMINAL GANGLION	URINARY BLADDER
UTERUS	VAGINA	ZYMBALS GLAND	

OBSERVATIONS

NO CORRELATE	TO OBSERVATION / MASS
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HISTOPATH TISSUE STATUS**Within Normal Limits**

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
CLITORAL GLAND	ESOPHAGUS	EYE	HARDERIAN GLAND
HEART	INTESTINE, LARGE, CECUM	INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM
INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM	INTESTINE, SMALL, JEJUNUM	KIDNEY
LIVER	LUNG	LYMPH NODE	LYMPH NODE, MANDIBULAR
LYMPH NODE, MESENTERIC	MAMMARY GLAND	NOSE	OVARY
PANCREAS	PARATHYROID GLAND	PITUITARY GLAND	SALIVARY GLAND
SKIN	SPLEEN	STOMACH, FORESTOMACH	STOMACH, GLANDULAR
THYMUS	THYROID GLAND	TRACHEA	URINARY BLADDER
UTERUS	UTERUS, CERVIX	VAGINA	

Study Number: C11054B-01**Test Type:** TOX**Route:** Dosing in Water**Species/Strain:** Rat/Harlan Sprague Dawley**PA14: Individual Animal Pathology Data (Interim Animals)****Test Compound:** Sulfolane**CAS Number:** 126-33-0**Target Version:** Study Pathologist**Date Report Requested:** 02/24/2022**Time Report Requested:** 06:57:27**Lab:** Battelle with CRL

ANIMAL ID: 1560	TRT#: F1-1	DOSE: 0 mg/L	SEX: Female	REMOVAL DAY: PND126
GENERATION: F1	SELECTION: F1 Interim Females		DISP: Scheduled Removal (Interim)	HISTO: 1702700

GROSS PATHOLOGY TISSUE STATUS**Within Normal Limits**

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
CARCASS	CERVIX	CLITORAL GLAND	ESOPHAGUS
EYE	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	KIDNEY, LEFT	KIDNEY, RIGHT	LARYNX
LIVER	LUNG	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	MUSCLE, THIGH	NERVE, SCIATIC	NERVE, TIBIAL
NOSE	OVARY, LEFT	OVARY, RIGHT	OVIDUCT
PANCREAS	PARATHYROID GLAND	PHARYNX	PITUITARY GLAND
SALIVARY GLANDS	SKIN	SPINAL CORD	SPLEEN
STOMACH, FORESTOMACH	STOMACH, GLANDULAR	THYMUS	THYROID GLAND
TONGUE	TRACHEA	TRIGEMINAL GANGLION	URINARY BLADDER
UTERUS	VAGINA	ZYMBALS GLAND	

OBSERVATIONS

NO CORRELATE	TO OBSERVATION / MASS
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HISTOPATH TISSUE STATUS**Within Normal Limits**

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
CLITORAL GLAND	ESOPHAGUS	EYE	HARDERIAN GLAND
HEART	INTESTINE, LARGE, CECUM	INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM
INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM	INTESTINE, SMALL, JEJUNUM	LIVER
LUNG	LYMPH NODE	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	NOSE	OVARY	PANCREAS
PARATHYROID GLAND	PITUITARY GLAND	SALIVARY GLAND	SKIN
SPLEEN	STOMACH, FORESTOMACH	STOMACH, GLANDULAR	THYMUS
THYROID GLAND	TRACHEA	URINARY BLADDER	UTERUS
UTERUS, CERVIX	VAGINA		

OBSERVATIONS

KIDNEY	CHRONIC PROGRESSIVE NEPHROPATHY	MINIMAL
RENAL TUBULE	CYST	

Study Number: C11054B-01

Test Type: TOX

Route: Dosing in Water

Species/Strain: Rat/Harlan Sprague Dawley

PA14: Individual Animal Pathology Data (Interim Animals)

Test Compound: Sulfolane

CAS Number: 126-33-0

Target Version: Study Pathologist

Date Report Requested: 02/24/2022

Time Report Requested: 06:57:27

Lab: Battelle with CRL

ANIMAL ID: 1561	TRT#: F1-2	DOSE: 30 mg/L	SEX: Female	REMOVAL DAY: PND128
GENERATION: F1	SELECTION: F1 Interim Females		DISP: Scheduled Removal (Interim)	HISTO: 1702811

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
CARCASS	CERVIX	CLITORAL GLAND	ESOPHAGUS
EYE	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	KIDNEY, LEFT	KIDNEY, RIGHT	LARYNX
LIVER	LUNG	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	MUSCLE, THIGH	NERVE, SCIATIC	NERVE, TIBIAL
NOSE	OVARY, LEFT	OVARY, RIGHT	OVIDUCT
PANCREAS	PARATHYROID GLAND	PHARYNX	PITUITARY GLAND
SALIVARY GLANDS	SKIN	SPINAL CORD	SPLEEN
STOMACH, FORESTOMACH	STOMACH, GLANDULAR	THYMUS	THYROID GLAND
TONGUE	TRACHEA	TRIGEMINAL GANGLION	URINARY BLADDER
UTERUS	VAGINA	ZYMBALS GLAND	

OBSERVATIONS

NO CORRELATE	TO OBSERVATION / MASS
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HISTOPATH TISSUE STATUS

OBSERVATIONS

KIDNEY	CHRONIC PROGRESSIVE NEPHROPATHY	MINIMAL
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ANIMAL ID: 1562	TRT#: F1-2	DOSE: 30 mg/L	SEX: Female	REMOVAL DAY: PND128
GENERATION: F1	SELECTION: F1 Interim Females		DISP: Scheduled Removal (Interim)	HISTO: 1702812

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits			
ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
CARCASS	CERVIX	CLITORAL GLAND	ESOPHAGUS
EYE	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	KIDNEY, LEFT	KIDNEY, RIGHT	LARYNX
LIVER	LUNG	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	MUSCLE, THIGH	NERVE, SCIATIC	NERVE, TIBIAL
NOSE	OVARY, LEFT	OVARY, RIGHT	OVIDUCT
PANCREAS	PARATHYROID GLAND	PHARYNX	PITUITARY GLAND
SALIVARY GLANDS	SKIN	SPINAL CORD	SPLEEN
STOMACH, FORESTOMACH	STOMACH, GLANDULAR	THYMUS	THYROID GLAND
TONGUE	TRACHEA	TRIGEMINAL GANGLION	URINARY BLADDER
UTERUS	VAGINA	ZYMBALS GLAND	

OBSERVATIONS	
NO CORRELATE	TO OBSERVATION / MASS

HISTOPATH TISSUE STATUS

OBSERVATIONS	
KIDNEY	CHRONIC PROGRESSIVE NEPHROPATHY MINIMAL

Study Number: C11054B-01

Test Type: TOX

Route: Dosing in Water

Species/Strain: Rat/Harlan Sprague Dawley

PA14: Individual Animal Pathology Data (Interim Animals)

Test Compound: Sulfolane

CAS Number: 126-33-0

Target Version: Study Pathologist

Date Report Requested: 02/24/2022

Time Report Requested: 06:57:27

Lab: Battelle with CRL

ANIMAL ID: 1563	TRT#: F1-2	DOSE: 30 mg/L	SEX: Female	REMOVAL DAY: PND128
GENERATION: F1	SELECTION: F1 Interim Females		DISP: Scheduled Removal (Interim)	HISTO: 1702813

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
CARCASS	CERVIX	CLITORAL GLAND	ESOPHAGUS
EYE	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	KIDNEY, LEFT	KIDNEY, RIGHT	LARYNX
LIVER	LUNG	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	MUSCLE, THIGH	NERVE, SCIATIC	NERVE, TIBIAL
NOSE	OVARY, LEFT	OVARY, RIGHT	OVIDUCT
PANCREAS	PARATHYROID GLAND	PHARYNX	PITUITARY GLAND
SALIVARY GLANDS	SKIN	SPINAL CORD	SPLEEN
STOMACH, FORESTOMACH	STOMACH, GLANDULAR	THYMUS	THYROID GLAND
TONGUE	TRACHEA	TRIGEMINAL GANGLION	URINARY BLADDER
UTERUS	VAGINA	ZYMBALS GLAND	

OBSERVATIONS

NO CORRELATE	TO OBSERVATION / MASS
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HISTOPATH TISSUE STATUS

OBSERVATIONS

KIDNEY	CHRONIC PROGRESSIVE NEPHROPATHY	MINIMAL
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ANIMAL ID: 1564	TRT#: F1-2	DOSE: 30 mg/L	SEX: Female	REMOVAL DAY: PND128
GENERATION: F1	SELECTION: F1 Interim Females		DISP: Scheduled Removal (Interim)	HISTO: 1702814

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits			
ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
CARCASS	CERVIX	CLITORAL GLAND	ESOPHAGUS
EYE	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	KIDNEY, LEFT	KIDNEY, RIGHT	LARYNX
LIVER	LUNG	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	MUSCLE, THIGH	NERVE, SCIATIC	NERVE, TIBIAL
NOSE	OVARY, LEFT	OVARY, RIGHT	OVIDUCT
PANCREAS	PARATHYROID GLAND	PHARYNX	PITUITARY GLAND
SALIVARY GLANDS	SKIN	SPINAL CORD	SPLEEN
STOMACH, FORESTOMACH	STOMACH, GLANDULAR	THYMUS	THYROID GLAND
TONGUE	TRACHEA	TRIGEMINAL GANGLION	URINARY BLADDER
UTERUS	VAGINA	ZYMBALS GLAND	

OBSERVATIONS	
NO CORRELATE	TO OBSERVATION / MASS

HISTOPATH TISSUE STATUS

Within Normal Limits
KIDNEY

Study Number: C11054B-01

Test Type: TOX

Route: Dosing in Water

Species/Strain: Rat/Harlan Sprague Dawley

PA14: Individual Animal Pathology Data (Interim Animals)

Test Compound: Sulfolane

CAS Number: 126-33-0

Target Version: Study Pathologist

Date Report Requested: 02/24/2022

Time Report Requested: 06:57:27

Lab: Battelle with CRL

ANIMAL ID: 1565	TRT#: F1-2	DOSE: 30 mg/L	SEX: Female	REMOVAL DAY: PND128
GENERATION: F1	SELECTION: F1 Interim Females		DISP: Scheduled Removal (Interim)	HISTO: 1702815

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
CARCASS	CERVIX	CLITORAL GLAND	ESOPHAGUS
EYE	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	KIDNEY, LEFT	KIDNEY, RIGHT	LARYNX
LIVER	LUNG	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	MUSCLE, THIGH	NERVE, SCIATIC	NERVE, TIBIAL
NOSE	OVARY, LEFT	OVARY, RIGHT	OVIDUCT
PANCREAS	PARATHYROID GLAND	PHARYNX	PITUITARY GLAND
SALIVARY GLANDS	SKIN	SPINAL CORD	SPLEEN
STOMACH, FORESTOMACH	STOMACH, GLANDULAR	THYMUS	THYROID GLAND
TONGUE	TRACHEA	TRIGEMINAL GANGLION	URINARY BLADDER
UTERUS	VAGINA	ZYMBALS GLAND	

OBSERVATIONS

NO CORRELATE	TO OBSERVATION / MASS
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HISTOPATH TISSUE STATUS

OBSERVATIONS

KIDNEY	CHRONIC PROGRESSIVE NEPHROPATHY	MINIMAL
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Study Number: C11054B-01

Test Type: TOX

Route: Dosing in Water

Species/Strain: Rat/Harlan Sprague Dawley

PA14: Individual Animal Pathology Data (Interim Animals)

Test Compound: Sulfolane

CAS Number: 126-33-0

Target Version: Study Pathologist

Date Report Requested: 02/24/2022

Time Report Requested: 06:57:27

Lab: Battelle with CRL

ANIMAL ID: 1566	TRT#: F1-2	DOSE: 30 mg/L	SEX: Female	REMOVAL DAY: PND128
GENERATION: F1	SELECTION: F1 Interim Females		DISP: Scheduled Removal (Interim)	HISTO: 1702816

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
CARCASS	CERVIX	CLITORAL GLAND	ESOPHAGUS
EYE	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	KIDNEY, LEFT	KIDNEY, RIGHT	LARYNX
LIVER	LUNG	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	MUSCLE, THIGH	NERVE, SCIATIC	NERVE, TIBIAL
NOSE	OVARY, LEFT	OVARY, RIGHT	OVIDUCT
PANCREAS	PARATHYROID GLAND	PHARYNX	PITUITARY GLAND
SALIVARY GLANDS	SKIN	SPINAL CORD	SPLEEN
STOMACH, FORESTOMACH	STOMACH, GLANDULAR	THYMUS	THYROID GLAND
TONGUE	TRACHEA	TRIGEMINAL GANGLION	URINARY BLADDER
UTERUS	VAGINA	ZYMBALS GLAND	

OBSERVATIONS

NO CORRELATE	TO OBSERVATION / MASS
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HISTOPATH TISSUE STATUS

OBSERVATIONS

KIDNEY	PELVIS	DILATION	MILD
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ANIMAL ID: 1567	TRT#: F1-2	DOSE: 30 mg/L	SEX: Female	REMOVAL DAY: PND127
GENERATION: F1	SELECTION: F1 Interim Females		DISP: Scheduled Removal (Interim)	HISTO: 1702817

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
CARCASS	CERVIX	CLITORAL GLAND	ESOPHAGUS
EYE	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	KIDNEY, LEFT	KIDNEY, RIGHT	LARYNX
LIVER	LUNG	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	MUSCLE, THIGH	NERVE, SCIATIC	NERVE, TIBIAL
NOSE	OVARY, LEFT	OVARY, RIGHT	OVIDUCT
PANCREAS	PARATHYROID GLAND	PHARYNX	PITUITARY GLAND
SALIVARY GLANDS	SKIN	SPINAL CORD	SPLEEN
STOMACH, FORESTOMACH	STOMACH, GLANDULAR	THYMUS	THYROID GLAND
TONGUE	TRACHEA	TRIGEMINAL GANGLION	URINARY BLADDER
UTERUS	VAGINA	ZYMBALS GLAND	

OBSERVATIONS

NO CORRELATE	TO OBSERVATION / MASS
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HISTOPATH TISSUE STATUS

OBSERVATIONS

KIDNEY	CHRONIC PROGRESSIVE NEPHROPATHY	MINIMAL
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Animal Note: Nasal discharge was confirmed at necropsy but not considered to be a gross lesion.

Study Number: C11054B-01

Test Type: TOX

Route: Dosing in Water

Species/Strain: Rat/Harlan Sprague Dawley

PA14: Individual Animal Pathology Data (Interim Animals)

Test Compound: Sulfolane

CAS Number: 126-33-0

Target Version: Study Pathologist

Date Report Requested: 02/24/2022

Time Report Requested: 06:57:27

Lab: Battelle with CRL

ANIMAL ID: 1568	TRT#: F1-2	DOSE: 30 mg/L	SEX: Female	REMOVAL DAY: PND127
GENERATION: F1	SELECTION: F1 Interim Females		DISP: Scheduled Removal (Interim)	HISTO: 1702818

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
CARCASS	CERVIX	CLITORAL GLAND	ESOPHAGUS
EYE	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	KIDNEY, LEFT	KIDNEY, RIGHT	LARYNX
LIVER	LUNG	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	MUSCLE, THIGH	NERVE, SCIATIC	NERVE, TIBIAL
NOSE	OVARY, LEFT	OVARY, RIGHT	OVIDUCT
PANCREAS	PARATHYROID GLAND	PHARYNX	PITUITARY GLAND
SALIVARY GLANDS	SKIN	SPINAL CORD	SPLEEN
STOMACH, FORESTOMACH	STOMACH, GLANDULAR	THYMUS	THYROID GLAND
TONGUE	TRACHEA	TRIGEMINAL GANGLION	URINARY BLADDER
UTERUS	VAGINA	ZYMBALS GLAND	

OBSERVATIONS

NO CORRELATE	TO OBSERVATION / MASS
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HISTOPATH TISSUE STATUS

Within Normal Limits

KIDNEY

Study Number: C11054B-01

Test Type: TOX

Route: Dosing in Water

Species/Strain: Rat/Harlan Sprague Dawley

PA14: Individual Animal Pathology Data (Interim Animals)

Test Compound: Sulfolane

CAS Number: 126-33-0

Target Version: Study Pathologist

Date Report Requested: 02/24/2022

Time Report Requested: 06:57:27

Lab: Battelle with CRL

ANIMAL ID: 1569	TRT#: F1-2	DOSE: 30 mg/L	SEX: Female	REMOVAL DAY: PND126
GENERATION: F1	SELECTION: F1 Interim Females		DISP: Scheduled Removal (Interim)	HISTO: 1702819

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
CARCASS	CERVIX	CLITORAL GLAND	ESOPHAGUS
EYE	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	KIDNEY, LEFT	KIDNEY, RIGHT	LARYNX
LIVER	LUNG	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	MUSCLE, THIGH	NERVE, SCIATIC	NERVE, TIBIAL
NOSE	OVARY, LEFT	OVARY, RIGHT	OVIDUCT
PANCREAS	PARATHYROID GLAND	PHARYNX	PITUITARY GLAND
SALIVARY GLANDS	SKIN	SPINAL CORD	SPLEEN
STOMACH, FORESTOMACH	STOMACH, GLANDULAR	THYMUS	THYROID GLAND
TONGUE	TRACHEA	TRIGEMINAL GANGLION	URINARY BLADDER
UTERUS	VAGINA	ZYMBALS GLAND	

OBSERVATIONS

NO CORRELATE	TO OBSERVATION / MASS
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HISTOPATH TISSUE STATUS

OBSERVATIONS

KIDNEY	CHRONIC PROGRESSIVE NEPHROPATHY	MINIMAL
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Study Number: C11054B-01

Test Type: TOX

Route: Dosing in Water

Species/Strain: Rat/Harlan Sprague Dawley

PA14: Individual Animal Pathology Data (Interim Animals)

Test Compound: Sulfolane

CAS Number: 126-33-0

Target Version: Study Pathologist

Date Report Requested: 02/24/2022

Time Report Requested: 06:57:27

Lab: Battelle with CRL

ANIMAL ID: 1570	TRT#: F1-2	DOSE: 30 mg/L	SEX: Female	REMOVAL DAY: PND126
GENERATION: F1	SELECTION: F1 Interim Females		DISP: Scheduled Removal (Interim)	HISTO: 1702820

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
CARCASS	CERVIX	CLITORAL GLAND	ESOPHAGUS
EYE	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	KIDNEY, LEFT	KIDNEY, RIGHT	LARYNX
LIVER	LUNG	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	MUSCLE, THIGH	NERVE, SCIATIC	NERVE, TIBIAL
NOSE	OVARY, LEFT	OVARY, RIGHT	OVIDUCT
PANCREAS	PARATHYROID GLAND	PHARYNX	PITUITARY GLAND
SALIVARY GLANDS	SKIN	SPINAL CORD	SPLEEN
STOMACH, FORESTOMACH	STOMACH, GLANDULAR	THYMUS	THYROID GLAND
TONGUE	TRACHEA	TRIGEMINAL GANGLION	URINARY BLADDER
UTERUS	VAGINA	ZYMBALS GLAND	

OBSERVATIONS

NO CORRELATE	TO OBSERVATION / MASS
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HISTOPATH TISSUE STATUS

OBSERVATIONS

KIDNEY	CHRONIC PROGRESSIVE NEPHROPATHY	MINIMAL
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ANIMAL ID: 1571	TRT#: F1-3	DOSE: 100 mg/L	SEX: Female	REMOVAL DAY: PND128
GENERATION: F1	SELECTION: F1 Interim Females		DISP: Scheduled Removal (Interim)	HISTO: 1702931

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
CARCASS	CERVIX	CLITORAL GLAND	ESOPHAGUS
EYE	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	KIDNEY, LEFT	KIDNEY, RIGHT	LARYNX
LIVER	LUNG	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	MUSCLE, THIGH	NERVE, SCIATIC	NERVE, TIBIAL
NOSE	OVARY, LEFT	OVARY, RIGHT	OVIDUCT
PANCREAS	PARATHYROID GLAND	PHARYNX	PITUITARY GLAND
SALIVARY GLANDS	SKIN	SPINAL CORD	SPLEEN
STOMACH, FORESTOMACH	STOMACH, GLANDULAR	THYMUS	THYROID GLAND
TONGUE	TRACHEA	TRIGEMINAL GANGLION	URINARY BLADDER
UTERUS	VAGINA	ZYMBALS GLAND	

OBSERVATIONS

NO CORRELATE	TO OBSERVATION / MASS
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HISTOPATH TISSUE STATUS

Within Normal Limits

KIDNEY

ANIMAL ID: 1572

TRT#: F1-3

DOSE: 100 mg/L

SEX: Female

REMOVAL DAY: PND128

GENERATION: F1

SELECTION: F1 Interim Females

DISP: Scheduled Removal (Interim)

HISTO: 1702932

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits			
ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
CARCASS	CERVIX	CLITORAL GLAND	ESOPHAGUS
EYE	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	KIDNEY, LEFT	KIDNEY, RIGHT	LARYNX
LIVER	LUNG	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	MUSCLE, THIGH	NERVE, SCIATIC	NERVE, TIBIAL
NOSE	OVARY, LEFT	OVARY, RIGHT	OVIDUCT
PANCREAS	PARATHYROID GLAND	PHARYNX	PITUITARY GLAND
SALIVARY GLANDS	SKIN	SPINAL CORD	SPLEEN
STOMACH, FORESTOMACH	STOMACH, GLANDULAR	THYMUS	THYROID GLAND
TONGUE	TRACHEA	TRIGEMINAL GANGLION	URINARY BLADDER
UTERUS	VAGINA	ZYMBALS GLAND	

OBSERVATIONS

NO CORRELATE

TO OBSERVATION / MASS

HISTOPATH TISSUE STATUS

Within Normal Limits
KIDNEY

Study Number: C11054B-01

Test Type: TOX

Route: Dosing in Water

Species/Strain: Rat/Harlan Sprague Dawley

PA14: Individual Animal Pathology Data (Interim Animals)

Test Compound: Sulfolane

CAS Number: 126-33-0

Target Version: Study Pathologist

Date Report Requested: 02/24/2022

Time Report Requested: 06:57:27

Lab: Battelle with CRL

ANIMAL ID: 1573	TRT#: F1-3	DOSE: 100 mg/L	SEX: Female	REMOVAL DAY: PND128
GENERATION: F1	SELECTION: F1 Interim Females		DISP: Scheduled Removal (Interim)	HISTO: 1702933

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
CARCASS	CERVIX	CLITORAL GLAND	ESOPHAGUS
EYE	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	KIDNEY, LEFT	KIDNEY, RIGHT	LARYNX
LIVER	LUNG	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	MUSCLE, THIGH	NERVE, SCIATIC	NERVE, TIBIAL
NOSE	OVARY, LEFT	OVARY, RIGHT	OVIDUCT
PANCREAS	PARATHYROID GLAND	PHARYNX	PITUITARY GLAND
SALIVARY GLANDS	SKIN	SPINAL CORD	SPLEEN
STOMACH, FORESTOMACH	STOMACH, GLANDULAR	THYMUS	THYROID GLAND
TONGUE	TRACHEA	TRIGEMINAL GANGLION	URINARY BLADDER
UTERUS	VAGINA	ZYMBALS GLAND	

OBSERVATIONS

NO CORRELATE	TO OBSERVATION / MASS
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HISTOPATH TISSUE STATUS

OBSERVATIONS

KIDNEY	CHRONIC PROGRESSIVE NEPHROPATHY	MINIMAL
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Study Number: C11054B-01

Test Type: TOX

Route: Dosing in Water

Species/Strain: Rat/Harlan Sprague Dawley

PA14: Individual Animal Pathology Data (Interim Animals)

Test Compound: Sulfolane

CAS Number: 126-33-0

Target Version: Study Pathologist

Date Report Requested: 02/24/2022

Time Report Requested: 06:57:27

Lab: Battelle with CRL

ANIMAL ID: 1574	TRT#: F1-3	DOSE: 100 mg/L	SEX: Female	REMOVAL DAY: PND128
GENERATION: F1	SELECTION: F1 Interim Females		DISP: Scheduled Removal (Interim)	HISTO: 1702934

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
CARCASS	CERVIX	CLITORAL GLAND	ESOPHAGUS
EYE	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	KIDNEY, LEFT	KIDNEY, RIGHT	LARYNX
LIVER	LUNG	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	MUSCLE, THIGH	NERVE, SCIATIC	NERVE, TIBIAL
NOSE	OVARY, LEFT	OVARY, RIGHT	OVIDUCT
PANCREAS	PARATHYROID GLAND	PHARYNX	PITUITARY GLAND
SALIVARY GLANDS	SKIN	SPINAL CORD	SPLEEN
STOMACH, FORESTOMACH	STOMACH, GLANDULAR	THYMUS	THYROID GLAND
TONGUE	TRACHEA	TRIGEMINAL GANGLION	URINARY BLADDER
UTERUS	VAGINA	ZYMBALS GLAND	

OBSERVATIONS

NO CORRELATE	TO OBSERVATION / MASS
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HISTOPATH TISSUE STATUS

Within Normal Limits

KIDNEY

Study Number: C11054B-01

Test Type: TOX

Route: Dosing in Water

Species/Strain: Rat/Harlan Sprague Dawley

PA14: Individual Animal Pathology Data (Interim Animals)

Test Compound: Sulfolane

CAS Number: 126-33-0

Target Version: Study Pathologist

Date Report Requested: 02/24/2022

Time Report Requested: 06:57:27

Lab: Battelle with CRL

ANIMAL ID: 1575	TRT#: F1-3	DOSE: 100 mg/L	SEX: Female	REMOVAL DAY: PND128
GENERATION: F1	SELECTION: F1 Interim Females		DISP: Scheduled Removal (Interim)	HISTO: 1702935

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
CARCASS	CERVIX	CLITORAL GLAND	ESOPHAGUS
EYE	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	KIDNEY, LEFT	KIDNEY, RIGHT	LARYNX
LIVER	LUNG	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	MUSCLE, THIGH	NERVE, SCIATIC	NERVE, TIBIAL
NOSE	OVARY, LEFT	OVARY, RIGHT	OVIDUCT
PANCREAS	PARATHYROID GLAND	PHARYNX	PITUITARY GLAND
SALIVARY GLANDS	SKIN	SPINAL CORD	SPLEEN
STOMACH, FORESTOMACH	STOMACH, GLANDULAR	THYMUS	THYROID GLAND
TONGUE	TRACHEA	TRIGEMINAL GANGLION	URINARY BLADDER
UTERUS	VAGINA	ZYMBALS GLAND	

OBSERVATIONS

NO CORRELATE	TO OBSERVATION / MASS
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HISTOPATH TISSUE STATUS

Within Normal Limits

KIDNEY

Study Number: C11054B-01

Test Type: TOX

Route: Dosing in Water

Species/Strain: Rat/Harlan Sprague Dawley

PA14: Individual Animal Pathology Data (Interim Animals)

Test Compound: Sulfolane

CAS Number: 126-33-0

Target Version: Study Pathologist

Date Report Requested: 02/24/2022

Time Report Requested: 06:57:27

Lab: Battelle with CRL

ANIMAL ID: 1576	TRT#: F1-3	DOSE: 100 mg/L	SEX: Female	REMOVAL DAY: PND128
GENERATION: F1	SELECTION: F1 Interim Females		DISP: Scheduled Removal (Interim)	HISTO: 1702936

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
CARCASS	CERVIX	CLITORAL GLAND	ESOPHAGUS
EYE	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	KIDNEY, LEFT	KIDNEY, RIGHT	LARYNX
LIVER	LUNG	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	MUSCLE, THIGH	NERVE, SCIATIC	NERVE, TIBIAL
NOSE	OVARY, LEFT	OVARY, RIGHT	OVIDUCT
PANCREAS	PARATHYROID GLAND	PHARYNX	PITUITARY GLAND
SALIVARY GLANDS	SKIN	SPINAL CORD	SPLEEN
STOMACH, FORESTOMACH	STOMACH, GLANDULAR	THYMUS	THYROID GLAND
TONGUE	TRACHEA	TRIGEMINAL GANGLION	URINARY BLADDER
UTERUS	VAGINA	ZYMBALS GLAND	

OBSERVATIONS

NO CORRELATE	TO OBSERVATION / MASS
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HISTOPATH TISSUE STATUS

Within Normal Limits

KIDNEY

Study Number: C11054B-01

Test Type: TOX

Route: Dosing in Water

Species/Strain: Rat/Harlan Sprague Dawley

PA14: Individual Animal Pathology Data (Interim Animals)

Test Compound: Sulfolane

CAS Number: 126-33-0

Target Version: Study Pathologist

Date Report Requested: 02/24/2022

Time Report Requested: 06:57:27

Lab: Battelle with CRL

ANIMAL ID: 1577	TRT#: F1-3	DOSE: 100 mg/L	SEX: Female	REMOVAL DAY: PND127
GENERATION: F1	SELECTION: F1 Interim Females		DISP: Scheduled Removal (Interim)	HISTO: 1702937

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
CARCASS	CERVIX	CLITORAL GLAND	ESOPHAGUS
EYE	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	KIDNEY, LEFT	KIDNEY, RIGHT	LARYNX
LIVER	LUNG	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	MUSCLE, THIGH	NERVE, SCIATIC	NERVE, TIBIAL
NOSE	OVARY, LEFT	OVARY, RIGHT	OVIDUCT
PANCREAS	PARATHYROID GLAND	PHARYNX	PITUITARY GLAND
SALIVARY GLANDS	SKIN	SPINAL CORD	SPLEEN
STOMACH, FORESTOMACH	STOMACH, GLANDULAR	THYMUS	THYROID GLAND
TONGUE	TRACHEA	TRIGEMINAL GANGLION	URINARY BLADDER
UTERUS	VAGINA	ZYMBALS GLAND	

OBSERVATIONS

NO CORRELATE	TO OBSERVATION / MASS
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HISTOPATH TISSUE STATUS

OBSERVATIONS

KIDNEY	CHRONIC PROGRESSIVE NEPHROPATHY	MINIMAL
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Study Number: C11054B-01

Test Type: TOX

Route: Dosing in Water

Species/Strain: Rat/Harlan Sprague Dawley

PA14: Individual Animal Pathology Data (Interim Animals)

Test Compound: Sulfolane

CAS Number: 126-33-0

Target Version: Study Pathologist

Date Report Requested: 02/24/2022

Time Report Requested: 06:57:27

Lab: Battelle with CRL

ANIMAL ID: 1578	TRT#: F1-3	DOSE: 100 mg/L	SEX: Female	REMOVAL DAY: PND127
GENERATION: F1	SELECTION: F1 Interim Females		DISP: Scheduled Removal (Interim)	HISTO: 1702938

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
CARCASS	CERVIX	CLITORAL GLAND	ESOPHAGUS
EYE	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	KIDNEY, LEFT	KIDNEY, RIGHT	LARYNX
LUNG	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC	MAMMARY GLAND
MUSCLE, THIGH	NERVE, SCIATIC	NERVE, TIBIAL	NOSE
OVARY, LEFT	OVARY, RIGHT	OVIDUCT	PANCREAS
PARATHYROID GLAND	PHARYNX	PITUITARY GLAND	SALIVARY GLANDS
SKIN	SPINAL CORD	SPLEEN	STOMACH, FORESTOMACH
STOMACH, GLANDULAR	THYMUS	THYROID GLAND	TONGUE
TRACHEA	TRIGEMINAL GANGLION	URINARY BLADDER	UTERUS
VAGINA	ZYMBALS GLAND		

OBSERVATIONS

LIVER	LOBE, MEDIAN	DEFORMITY
Observation Comment: HDN; 4 x 3 x 3 mm. [DEFORMITY TGLS = TGL1]		
NO CORRELATE		TO OBSERVATION / MASS

HISTOPATH TISSUE STATUS

OBSERVATIONS

KIDNEY	CHRONIC PROGRESSIVE NEPHROPATHY	MINIMAL
LIVER	HEPATODIAPHRAGMATIC NODULE	
[HEPATODIAPHRAGMATIC NODULE TGLS = TGL 1-12I, Gross Finding = LIVER, LOBE, MEDIAN, DEFORMITY,]		

Study Number: C11054B-01

Test Type: TOX

Route: Dosing in Water

Species/Strain: Rat/Harlan Sprague Dawley

PA14: Individual Animal Pathology Data (Interim Animals)

Test Compound: Sulfolane

CAS Number: 126-33-0

Target Version: Study Pathologist

Date Report Requested: 02/24/2022

Time Report Requested: 06:57:27

Lab: Battelle with CRL

ANIMAL ID: 1579	TRT#: F1-3	DOSE: 100 mg/L	SEX: Female	REMOVAL DAY: PND127
GENERATION: F1	SELECTION: F1 Interim Females		DISP: Scheduled Removal (Interim)	HISTO: 1702939

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
CARCASS	CERVIX	CLITORAL GLAND	ESOPHAGUS
EYE	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	KIDNEY, LEFT	KIDNEY, RIGHT	LARYNX
LIVER	LUNG	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	MUSCLE, THIGH	NERVE, SCIATIC	NERVE, TIBIAL
NOSE	OVARY, LEFT	OVARY, RIGHT	OVIDUCT
PANCREAS	PARATHYROID GLAND	PHARYNX	PITUITARY GLAND
SALIVARY GLANDS	SKIN	SPINAL CORD	SPLEEN
STOMACH, FORESTOMACH	STOMACH, GLANDULAR	THYMUS	THYROID GLAND
TONGUE	TRACHEA	TRIGEMINAL GANGLION	URINARY BLADDER
UTERUS	VAGINA	ZYMBALS GLAND	

OBSERVATIONS

NO CORRELATE	TO OBSERVATION / MASS
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HISTOPATH TISSUE STATUS

Within Normal Limits

KIDNEY

Animal Note: Kinked tail was present and correlated on IANR but not considered a gross lesion.

Study Number: C11054B-01

Test Type: TOX

Route: Dosing in Water

Species/Strain: Rat/Harlan Sprague Dawley

PA14: Individual Animal Pathology Data (Interim Animals)

Test Compound: Sulfolane

CAS Number: 126-33-0

Target Version: Study Pathologist

Date Report Requested: 02/24/2022

Time Report Requested: 06:57:27

Lab: Battelle with CRL

ANIMAL ID: 1580	TRT#: F1-3	DOSE: 100 mg/L	SEX: Female	REMOVAL DAY: PND126
GENERATION: F1	SELECTION: F1 Interim Females		DISP: Scheduled Removal (Interim)	HISTO: 1702940

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
CARCASS	CERVIX	CLITORAL GLAND	ESOPHAGUS
EYE	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	KIDNEY, LEFT	KIDNEY, RIGHT	LARYNX
LIVER	LUNG	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	MUSCLE, THIGH	NERVE, SCIATIC	NERVE, TIBIAL
NOSE	OVARY, LEFT	OVARY, RIGHT	OVIDUCT
PANCREAS	PARATHYROID GLAND	PHARYNX	PITUITARY GLAND
SALIVARY GLANDS	SKIN	SPINAL CORD	SPLEEN
STOMACH, FORESTOMACH	STOMACH, GLANDULAR	THYMUS	THYROID GLAND
TONGUE	TRACHEA	TRIGEMINAL GANGLION	URINARY BLADDER
UTERUS	VAGINA	ZYMBALS GLAND	

OBSERVATIONS

NO CORRELATE	TO OBSERVATION / MASS
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HISTOPATH TISSUE STATUS

OBSERVATIONS

KIDNEY	CHRONIC PROGRESSIVE NEPHROPATHY	MINIMAL
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Study Number: C11054B-01

Test Type: TOX

Route: Dosing in Water

Species/Strain: Rat/Harlan Sprague Dawley

PA14: Individual Animal Pathology Data (Interim Animals)

Test Compound: Sulfolane

CAS Number: 126-33-0

Target Version: Study Pathologist

Date Report Requested: 02/24/2022

Time Report Requested: 06:57:27

Lab: Battelle with CRL

ANIMAL ID: 1581	TRT#: F1-4	DOSE: 300 mg/L	SEX: Female	REMOVAL DAY: PND128
GENERATION: F1	SELECTION: F1 Interim Females		DISP: Scheduled Removal (Interim)	HISTO: 1703051

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
CARCASS	CERVIX	CLITORAL GLAND	ESOPHAGUS
EYE	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	KIDNEY, LEFT	KIDNEY, RIGHT	LARYNX
LIVER	LUNG	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	MUSCLE, THIGH	NERVE, SCIATIC	NERVE, TIBIAL
NOSE	OVARY, LEFT	OVARY, RIGHT	OVIDUCT
PANCREAS	PARATHYROID GLAND	PHARYNX	PITUITARY GLAND
SALIVARY GLANDS	SKIN	SPINAL CORD	SPLEEN
STOMACH, FORESTOMACH	STOMACH, GLANDULAR	THYMUS	THYROID GLAND
TONGUE	TRACHEA	TRIGEMINAL GANGLION	URINARY BLADDER
UTERUS	VAGINA	ZYMBALS GLAND	

OBSERVATIONS

NO CORRELATE	TO OBSERVATION / MASS
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HISTOPATH TISSUE STATUS

Within Normal Limits

KIDNEY

ANIMAL ID: 1582	TRT#: F1-4	DOSE: 300 mg/L	SEX: Female	REMOVAL DAY: PND128
GENERATION: F1	SELECTION: F1 Interim Females		DISP: Scheduled Removal (Interim)	HISTO: 1703052

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits			
ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
CARCASS	CERVIX	CLITORAL GLAND	ESOPHAGUS
EYE	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	KIDNEY, LEFT	KIDNEY, RIGHT	LARYNX
LIVER	LUNG	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	MUSCLE, THIGH	NERVE, SCIATIC	NERVE, TIBIAL
NOSE	OVARY, LEFT	OVARY, RIGHT	OVIDUCT
PANCREAS	PARATHYROID GLAND	PHARYNX	PITUITARY GLAND
SALIVARY GLANDS	SKIN	SPINAL CORD	SPLEEN
STOMACH, FORESTOMACH	STOMACH, GLANDULAR	THYMUS	THYROID GLAND
TONGUE	TRACHEA	TRIGEMINAL GANGLION	URINARY BLADDER
UTERUS	VAGINA	ZYMBALS GLAND	

OBSERVATIONS	
NO CORRELATE	TO OBSERVATION / MASS

HISTOPATH TISSUE STATUS

Within Normal Limits
KIDNEY

Study Number: C11054B-01

Test Type: TOX

Route: Dosing in Water

Species/Strain: Rat/Harlan Sprague Dawley

PA14: Individual Animal Pathology Data (Interim Animals)

Test Compound: Sulfolane

CAS Number: 126-33-0

Target Version: Study Pathologist

Date Report Requested: 02/24/2022

Time Report Requested: 06:57:27

Lab: Battelle with CRL

ANIMAL ID: 1583	TRT#: F1-4	DOSE: 300 mg/L	SEX: Female	REMOVAL DAY: PND128
GENERATION: F1	SELECTION: F1 Interim Females		DISP: Scheduled Removal (Interim)	HISTO: 1703053

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
CARCASS	CERVIX	CLITORAL GLAND	ESOPHAGUS
EYE	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	KIDNEY, LEFT	KIDNEY, RIGHT	LARYNX
LIVER	LUNG	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	MUSCLE, THIGH	NERVE, SCIATIC	NERVE, TIBIAL
NOSE	OVARY, LEFT	OVARY, RIGHT	OVIDUCT
PARATHYROID GLAND	PHARYNX	PITUITARY GLAND	SALIVARY GLANDS
SKIN	SPINAL CORD	SPLEEN	STOMACH, FORESTOMACH
STOMACH, GLANDULAR	THYMUS	THYROID GLAND	TONGUE
TRACHEA	TRIGEMINAL GANGLION	URINARY BLADDER	UTERUS
VAGINA	ZYMBALS GLAND		

OBSERVATIONS

NO CORRELATE	TO OBSERVATION / MASS	
PANCREAS	CYST	PALE
Observation Comment: 7 x 4 x 3 mm. [CYST TGLS = TGL1]		

HISTOPATH TISSUE STATUS

OBSERVATIONS

KIDNEY	CHRONIC PROGRESSIVE NEPHROPATHY	MINIMAL
PANCREAS	DUCT CYST	
[CYST TGLS = TGL 1-18, Gross Finding = PANCREAS, CYST, PALE]		

Study Number: C11054B-01

Test Type: TOX

Route: Dosing in Water

Species/Strain: Rat/Harlan Sprague Dawley

PA14: Individual Animal Pathology Data (Interim Animals)

Test Compound: Sulfolane

CAS Number: 126-33-0

Target Version: Study Pathologist

Date Report Requested: 02/24/2022

Time Report Requested: 06:57:27

Lab: Battelle with CRL

ANIMAL ID: 1584	TRT#: F1-4	DOSE: 300 mg/L	SEX: Female	REMOVAL DAY: PND128
GENERATION: F1	SELECTION: F1 Interim Females		DISP: Scheduled Removal (Interim)	HISTO: 1703054

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
CARCASS	CERVIX	CLITORAL GLAND	ESOPHAGUS
EYE	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	KIDNEY, LEFT	KIDNEY, RIGHT	LARYNX
LIVER	LUNG	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	MUSCLE, THIGH	NERVE, SCIATIC	NERVE, TIBIAL
NOSE	OVARY, LEFT	OVARY, RIGHT	OVIDUCT
PANCREAS	PARATHYROID GLAND	PHARYNX	PITUITARY GLAND
SALIVARY GLANDS	SKIN	SPINAL CORD	SPLEEN
STOMACH, FORESTOMACH	STOMACH, GLANDULAR	THYMUS	THYROID GLAND
TONGUE	TRACHEA	TRIGEMINAL GANGLION	URINARY BLADDER
UTERUS	VAGINA	ZYMBALS GLAND	

OBSERVATIONS

NO CORRELATE	TO OBSERVATION / MASS
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HISTOPATH TISSUE STATUS

OBSERVATIONS

KIDNEY	CHRONIC PROGRESSIVE NEPHROPATHY	MINIMAL
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ANIMAL ID: 1585	TRT#: F1-4	DOSE: 300 mg/L	SEX: Female	REMOVAL DAY: PND128
GENERATION: F1	SELECTION: F1 Interim Females		DISP: Scheduled Removal (Interim)	HISTO: 1703055

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
CARCASS	CERVIX	CLITORAL GLAND	ESOPHAGUS
EYE	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	KIDNEY, LEFT	KIDNEY, RIGHT	LARYNX
LIVER	LUNG	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	MUSCLE, THIGH	NERVE, SCIATIC	NERVE, TIBIAL
NOSE	OVARY, LEFT	OVARY, RIGHT	OVIDUCT
PANCREAS	PARATHYROID GLAND	PHARYNX	PITUITARY GLAND
SALIVARY GLANDS	SKIN	SPINAL CORD	SPLEEN
STOMACH, FORESTOMACH	STOMACH, GLANDULAR	THYMUS	THYROID GLAND
TONGUE	TRACHEA	TRIGEMINAL GANGLION	URINARY BLADDER
UTERUS	VAGINA	ZYMBALS GLAND	

OBSERVATIONS

NO CORRELATE	TO OBSERVATION / MASS
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HISTOPATH TISSUE STATUS

OBSERVATIONS

KIDNEY	CHRONIC PROGRESSIVE NEPHROPATHY	MINIMAL
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Study Number: C11054B-01

Test Type: TOX

Route: Dosing in Water

Species/Strain: Rat/Harlan Sprague Dawley

PA14: Individual Animal Pathology Data (Interim Animals)

Test Compound: Sulfolane

CAS Number: 126-33-0

Target Version: Study Pathologist

Date Report Requested: 02/24/2022

Time Report Requested: 06:57:27

Lab: Battelle with CRL

ANIMAL ID: 1586	TRT#: F1-4	DOSE: 300 mg/L	SEX: Female	REMOVAL DAY: PND128
GENERATION: F1	SELECTION: F1 Interim Females		DISP: Scheduled Removal (Interim)	HISTO: 1703056

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
CARCASS	CERVIX	CLITORAL GLAND	ESOPHAGUS
EYE	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	KIDNEY, LEFT	KIDNEY, RIGHT	LARYNX
LIVER	LUNG	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	MUSCLE, THIGH	NERVE, SCIATIC	NERVE, TIBIAL
NOSE	OVARY, LEFT	OVARY, RIGHT	OVIDUCT
PANCREAS	PARATHYROID GLAND	PHARYNX	PITUITARY GLAND
SALIVARY GLANDS	SKIN	SPINAL CORD	SPLEEN
STOMACH, FORESTOMACH	STOMACH, GLANDULAR	THYMUS	THYROID GLAND
TONGUE	TRACHEA	TRIGEMINAL GANGLION	URINARY BLADDER
UTERUS	VAGINA	ZYMBALS GLAND	

OBSERVATIONS

NO CORRELATE	TO OBSERVATION / MASS
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HISTOPATH TISSUE STATUS

OBSERVATIONS

KIDNEY	CHRONIC PROGRESSIVE NEPHROPATHY	MINIMAL
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Study Number: C11054B-01

Test Type: TOX

Route: Dosing in Water

Species/Strain: Rat/Harlan Sprague Dawley

PA14: Individual Animal Pathology Data (Interim Animals)

Test Compound: Sulfolane

CAS Number: 126-33-0

Target Version: Study Pathologist

Date Report Requested: 02/24/2022

Time Report Requested: 06:57:27

Lab: Battelle with CRL

ANIMAL ID: 1587	TRT#: F1-4	DOSE: 300 mg/L	SEX: Female	REMOVAL DAY: PND128
GENERATION: F1	SELECTION: F1 Interim Females		DISP: Scheduled Removal (Interim)	HISTO: 1703057

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
CARCASS	CERVIX	CLITORAL GLAND	ESOPHAGUS
EYE	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	KIDNEY, LEFT	KIDNEY, RIGHT	LARYNX
LIVER	LUNG	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	MUSCLE, THIGH	NERVE, SCIATIC	NERVE, TIBIAL
NOSE	OVARY, LEFT	OVARY, RIGHT	OVIDUCT
PANCREAS	PARATHYROID GLAND	PHARYNX	PITUITARY GLAND
SALIVARY GLANDS	SKIN	SPINAL CORD	SPLEEN
STOMACH, FORESTOMACH	STOMACH, GLANDULAR	THYMUS	THYROID GLAND
TONGUE	TRACHEA	TRIGEMINAL GANGLION	URINARY BLADDER
UTERUS	VAGINA	ZYMBALS GLAND	

OBSERVATIONS

NO CORRELATE	TO OBSERVATION / MASS
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HISTOPATH TISSUE STATUS

OBSERVATIONS

KIDNEY	CHRONIC PROGRESSIVE NEPHROPATHY	MINIMAL
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Study Number: C11054B-01

Test Type: TOX

Route: Dosing in Water

Species/Strain: Rat/Harlan Sprague Dawley

PA14: Individual Animal Pathology Data (Interim Animals)

Test Compound: Sulfolane

CAS Number: 126-33-0

Target Version: Study Pathologist

Date Report Requested: 02/24/2022

Time Report Requested: 06:57:27

Lab: Battelle with CRL

ANIMAL ID: 1588	TRT#: F1-4	DOSE: 300 mg/L	SEX: Female	REMOVAL DAY: PND128
GENERATION: F1	SELECTION: F1 Interim Females		DISP: Scheduled Removal (Interim)	HISTO: 1703058

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
CARCASS	CERVIX	CLITORAL GLAND	ESOPHAGUS
EYE	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	KIDNEY, LEFT	KIDNEY, RIGHT	LARYNX
LIVER	LUNG	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	MUSCLE, THIGH	NERVE, SCIATIC	NERVE, TIBIAL
NOSE	OVARY, LEFT	OVARY, RIGHT	OVIDUCT
PANCREAS	PARATHYROID GLAND	PHARYNX	PITUITARY GLAND
SALIVARY GLANDS	SKIN	SPINAL CORD	SPLEEN
STOMACH, FORESTOMACH	STOMACH, GLANDULAR	THYMUS	THYROID GLAND
TONGUE	TRACHEA	TRIGEMINAL GANGLION	URINARY BLADDER
UTERUS	VAGINA	ZYMBALS GLAND	

OBSERVATIONS

NO CORRELATE	TO OBSERVATION / MASS
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HISTOPATH TISSUE STATUS

OBSERVATIONS

KIDNEY	RENAL TUBULE	ADENOMA	
		CHRONIC PROGRESSIVE NEPHROPATHY	MINIMAL

Study Number: C11054B-01

Test Type: TOX

Route: Dosing in Water

Species/Strain: Rat/Harlan Sprague Dawley

PA14: Individual Animal Pathology Data (Interim Animals)

Test Compound: Sulfolane

CAS Number: 126-33-0

Target Version: Study Pathologist

Date Report Requested: 02/24/2022

Time Report Requested: 06:57:27

Lab: Battelle with CRL

ANIMAL ID: 1589	TRT#: F1-4	DOSE: 300 mg/L	SEX: Female	REMOVAL DAY: PND127
GENERATION: F1	SELECTION: F1 Interim Females		DISP: Scheduled Removal (Interim)	HISTO: 1703059

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
CARCASS	CERVIX	CLITORAL GLAND	ESOPHAGUS
EYE	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	KIDNEY, LEFT	KIDNEY, RIGHT	LARYNX
LIVER	LUNG	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	MUSCLE, THIGH	NERVE, SCIATIC	NERVE, TIBIAL
NOSE	OVARY, LEFT	OVARY, RIGHT	OVIDUCT
PANCREAS	PARATHYROID GLAND	PHARYNX	PITUITARY GLAND
SALIVARY GLANDS	SKIN	SPINAL CORD	SPLEEN
STOMACH, FORESTOMACH	STOMACH, GLANDULAR	THYMUS	THYROID GLAND
TONGUE	TRACHEA	TRIGEMINAL GANGLION	URINARY BLADDER
UTERUS	VAGINA	ZYMBALS GLAND	

OBSERVATIONS

NO CORRELATE	TO OBSERVATION / MASS
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HISTOPATH TISSUE STATUS

OBSERVATIONS

KIDNEY	CHRONIC PROGRESSIVE NEPHROPATHY	MINIMAL
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Study Number: C11054B-01

Test Type: TOX

Route: Dosing in Water

Species/Strain: Rat/Harlan Sprague Dawley

PA14: Individual Animal Pathology Data (Interim Animals)

Test Compound: Sulfolane

CAS Number: 126-33-0

Target Version: Study Pathologist

Date Report Requested: 02/24/2022

Time Report Requested: 06:57:27

Lab: Battelle with CRL

ANIMAL ID: 1590	TRT#: F1-4	DOSE: 300 mg/L	SEX: Female	REMOVAL DAY: PND127
GENERATION: F1	SELECTION: F1 Interim Females		DISP: Scheduled Removal (Interim)	HISTO: 1703060

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
CARCASS	CERVIX	CLITORAL GLAND	ESOPHAGUS
EYE	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	KIDNEY, LEFT	KIDNEY, RIGHT	LARYNX
LIVER	LUNG	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	MUSCLE, THIGH	NERVE, SCIATIC	NERVE, TIBIAL
NOSE	OVARY, LEFT	OVARY, RIGHT	OVIDUCT
PANCREAS	PARATHYROID GLAND	PHARYNX	PITUITARY GLAND
SALIVARY GLANDS	SKIN	SPINAL CORD	SPLEEN
STOMACH, FORESTOMACH	STOMACH, GLANDULAR	THYMUS	THYROID GLAND
TONGUE	TRACHEA	TRIGEMINAL GANGLION	URINARY BLADDER
UTERUS	VAGINA	ZYMBALS GLAND	

OBSERVATIONS

NO CORRELATE	TO OBSERVATION / MASS
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HISTOPATH TISSUE STATUS

Within Normal Limits

KIDNEY

Study Number: C11054B-01

Test Type: TOX

Route: Dosing in Water

Species/Strain: Rat/Harlan Sprague Dawley

PA14: Individual Animal Pathology Data (Interim Animals)

Test Compound: Sulfolane

CAS Number: 126-33-0

Target Version: Study Pathologist

Date Report Requested: 02/24/2022

Time Report Requested: 06:57:27

Lab: Battelle with CRL

ANIMAL ID: 1591	TRT#: F1-5	DOSE: 1000 mg/L	SEX: Female	REMOVAL DAY: PND128
GENERATION: F1	SELECTION: F1 Interim Females		DISP: Scheduled Removal (Interim)	HISTO: 1703171

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
CARCASS	CERVIX	CLITORAL GLAND	ESOPHAGUS
EYE	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	KIDNEY, LEFT	KIDNEY, RIGHT	LARYNX
LIVER	LUNG	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	MUSCLE, THIGH	NERVE, SCIATIC	NERVE, TIBIAL
NOSE	OVARY, LEFT	OVARY, RIGHT	OVIDUCT
PANCREAS	PARATHYROID GLAND	PHARYNX	PITUITARY GLAND
SALIVARY GLANDS	SKIN	SPINAL CORD	SPLEEN
STOMACH, FORESTOMACH	STOMACH, GLANDULAR	THYMUS	THYROID GLAND
TONGUE	TRACHEA	TRIGEMINAL GANGLION	URINARY BLADDER
UTERUS	VAGINA	ZYMBALS GLAND	

HISTOPATH TISSUE STATUS

Within Normal Limits

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
CLITORAL GLAND	ESOPHAGUS	EYE	HARDERIAN GLAND
HEART	INTESTINE, LARGE, CECUM	INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM
INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM	INTESTINE, SMALL, JEJUNUM	KIDNEY
LIVER	LUNG	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	NOSE	OVARY	PANCREAS
PARATHYROID GLAND	PITUITARY GLAND	SALIVARY GLAND	SKIN
SPLEEN	STOMACH, FORESTOMACH	THYMUS	THYROID GLAND
TRACHEA	URINARY BLADDER	UTERUS	UTERUS, CERVIX
VAGINA			

NOT PRESENT

LYMPH NODE

OBSERVATIONS

STOMACH, GLANDULAR	MINERAL	MINIMAL
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ANIMAL ID: 1592	TRT#: F1-5	DOSE: 1000 mg/L	SEX: Female	REMOVAL DAY: PND128
GENERATION: F1	SELECTION: F1 Interim Females		DISP: Scheduled Removal (Interim)	HISTO: 1703172

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits			
ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
CARCASS	CERVIX	CLITORAL GLAND	ESOPHAGUS
EYE	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	KIDNEY, LEFT	KIDNEY, RIGHT	LARYNX
LUNG	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC	MAMMARY GLAND
MUSCLE, THIGH	NERVE, SCIATIC	NERVE, TIBIAL	NOSE
OVARY, LEFT	OVARY, RIGHT	OVIDUCT	PANCREAS
PARATHYROID GLAND	PHARYNX	PITUITARY GLAND	SALIVARY GLANDS
SKIN	SPINAL CORD	SPLEEN	STOMACH, FORESTOMACH
STOMACH, GLANDULAR	THYMUS	THYROID GLAND	TONGUE
TRACHEA	TRIGEMINAL GANGLION	URINARY BLADDER	UTERUS
VAGINA	ZYMBALS GLAND		

OBSERVATIONS			
LIVER	CAUDATE LOBE	DISCOLORATION	TAN
Observation Comment: 10 x 10 x 4 mm.			
[DISCOLORATION TGLS = TGL1]			
NO CORRELATE		TO OBSERVATION / MASS	

Study Number: C11054B-01

Test Type: TOX

Route: Dosing in Water

Species/Strain: Rat/Harlan Sprague Dawley

PA14: Individual Animal Pathology Data (Interim Animals)

Test Compound: Sulfolane

CAS Number: 126-33-0

Target Version: Study Pathologist

Date Report Requested: 02/24/2022

Time Report Requested: 06:57:27

Lab: Battelle with CRL

ANIMAL ID: 1592	TRT#: F1-5	DOSE: 1000 mg/L	SEX: Female	REMOVAL DAY: PND128
GENERATION: F1	SELECTION: F1 Interim Females		DISP: Scheduled Removal (Interim)	HISTO: 1703172
HISTOPATH TISSUE STATUS				
Within Normal Limits				
ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN	
CLITORAL GLAND	ESOPHAGUS	EYE	HARDERIAN GLAND	
HEART	INTESTINE, LARGE, CECUM	INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	
INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM	INTESTINE, SMALL, JEJUNUM	LUNG	
LYMPH NODE	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC	MAMMARY GLAND	
NOSE	PANCREAS	PARATHYROID GLAND	PITUITARY GLAND	
SALIVARY GLAND	SKIN	SPLEEN	STOMACH, FORESTOMACH	
STOMACH, GLANDULAR	THYMUS	THYROID GLAND	TRACHEA	
URINARY BLADDER	UTERUS	UTERUS, CERVIX	VAGINA	
OBSERVATIONS				
KIDNEY		CHRONIC PROGRESSIVE NEPHROPATHY	MINIMAL	
LIVER		HEMORRHAGE	MILD	
		NECROSIS	MILD	
[NECROSIS TGLS = TGL 1-18, Gross Finding = LIVER, CAUDATE LOBE, DISCOLORATION, TAN]				
OVARY	FOLLICLES	CYST		

Study Number: C11054B-01**Test Type:** TOX**Route:** Dosing in Water**Species/Strain:** Rat/Harlan Sprague Dawley**PA14: Individual Animal Pathology Data (Interim Animals)****Test Compound:** Sulfolane**CAS Number:** 126-33-0**Target Version:** Study Pathologist**Date Report Requested:** 02/24/2022**Time Report Requested:** 06:57:27**Lab:** Battelle with CRL

ANIMAL ID: 1593	TRT#: F1-5	DOSE: 1000 mg/L	SEX: Female	REMOVAL DAY: PND128
GENERATION: F1	SELECTION: F1 Interim Females		DISP: Scheduled Removal (Interim)	HISTO: 1703173

GROSS PATHOLOGY TISSUE STATUS**Within Normal Limits**

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
CARCASS	CERVIX	CLITORAL GLAND	ESOPHAGUS
EYE	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	KIDNEY, LEFT	KIDNEY, RIGHT	LARYNX
LIVER	LUNG	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	MUSCLE, THIGH	NERVE, SCIATIC	NERVE, TIBIAL
NOSE	OVARY, LEFT	OVARY, RIGHT	OVIDUCT
PANCREAS	PARATHYROID GLAND	PHARYNX	PITUITARY GLAND
SALIVARY GLANDS	SKIN	SPINAL CORD	SPLEEN
STOMACH, FORESTOMACH	STOMACH, GLANDULAR	THYMUS	THYROID GLAND
TONGUE	TRACHEA	TRIGEMINAL GANGLION	URINARY BLADDER
UTERUS	VAGINA	ZYMBALS GLAND	

OBSERVATIONS

NO CORRELATE	TO OBSERVATION / MASS
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HISTOPATH TISSUE STATUS**Within Normal Limits**

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
CLITORAL GLAND	ESOPHAGUS	EYE	HARDERIAN GLAND
HEART	INTESTINE, LARGE, CECUM	INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM
INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM	INTESTINE, SMALL, JEJUNUM	LIVER
LUNG	LYMPH NODE	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	NOSE	OVARY	PANCREAS
PARATHYROID GLAND	PITUITARY GLAND	SALIVARY GLAND	SKIN
SPLEEN	STOMACH, FORESTOMACH	STOMACH, GLANDULAR	THYMUS
THYROID GLAND	TRACHEA	URINARY BLADDER	UTERUS
UTERUS, CERVIX	VAGINA		

OBSERVATIONS

KIDNEY	CHRONIC PROGRESSIVE NEPHROPATHY	MINIMAL
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Study Number: C11054B-01**Test Type:** TOX**Route:** Dosing in Water**Species/Strain:** Rat/Harlan Sprague Dawley**PA14: Individual Animal Pathology Data (Interim Animals)****Test Compound:** Sulfolane**CAS Number:** 126-33-0**Target Version:** Study Pathologist**Date Report Requested:** 02/24/2022**Time Report Requested:** 06:57:27**Lab:** Battelle with CRL

ANIMAL ID: 1594	TRT#: F1-5	DOSE: 1000 mg/L	SEX: Female	REMOVAL DAY: PND128
GENERATION: F1	SELECTION: F1 Interim Females		DISP: Scheduled Removal (Interim)	HISTO: 1703174

GROSS PATHOLOGY TISSUE STATUS**Within Normal Limits**

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
CARCASS	CERVIX	CLITORAL GLAND	ESOPHAGUS
EYE	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	KIDNEY, LEFT	KIDNEY, RIGHT	LARYNX
LIVER	LUNG	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	MUSCLE, THIGH	NERVE, SCIATIC	NERVE, TIBIAL
NOSE	OVARY, LEFT	OVARY, RIGHT	OVIDUCT
PANCREAS	PARATHYROID GLAND	PHARYNX	PITUITARY GLAND
SALIVARY GLANDS	SKIN	SPINAL CORD	SPLEEN
STOMACH, FORESTOMACH	STOMACH, GLANDULAR	THYMUS	THYROID GLAND
TONGUE	TRACHEA	TRIGEMINAL GANGLION	URINARY BLADDER
UTERUS	VAGINA	ZYMBALS GLAND	

OBSERVATIONS

NO CORRELATE	TO OBSERVATION / MASS
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HISTOPATH TISSUE STATUS**Within Normal Limits**

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
CLITORAL GLAND	ESOPHAGUS	EYE	HARDERIAN GLAND
HEART	INTESTINE, LARGE, CECUM	INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM
INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM	INTESTINE, SMALL, JEJUNUM	LIVER
LUNG	LYMPH NODE	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	NOSE	OVARY	PANCREAS
PARATHYROID GLAND	PITUITARY GLAND	SALIVARY GLAND	SKIN
SPLEEN	STOMACH, FORESTOMACH	STOMACH, GLANDULAR	THYMUS
TRACHEA	URINARY BLADDER	UTERUS	UTERUS, CERVIX
VAGINA			

OBSERVATIONS

KIDNEY		CHRONIC PROGRESSIVE NEPHROPATHY	MINIMAL
THYROID GLAND	FOLLICLE	DILATION	FOCAL

Study Number: C11054B-01**Test Type:** TOX**Route:** Dosing in Water**Species/Strain:** Rat/Harlan Sprague Dawley**PA14: Individual Animal Pathology Data (Interim Animals)****Test Compound:** Sulfolane**CAS Number:** 126-33-0**Target Version:** Study Pathologist**Date Report Requested:** 02/24/2022**Time Report Requested:** 06:57:27**Lab:** Battelle with CRL

ANIMAL ID: 1595	TRT#: F1-5	DOSE: 1000 mg/L	SEX: Female	REMOVAL DAY: PND128
GENERATION: F1	SELECTION: F1 Interim Females		DISP: Scheduled Removal (Interim)	HISTO: 1703175

GROSS PATHOLOGY TISSUE STATUS**Within Normal Limits**

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
CARCASS	CERVIX	CLITORAL GLAND	ESOPHAGUS
EYE	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	KIDNEY, LEFT	KIDNEY, RIGHT	LARYNX
LIVER	LUNG	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	MUSCLE, THIGH	NERVE, SCIATIC	NERVE, TIBIAL
NOSE	OVARY, LEFT	OVARY, RIGHT	OVIDUCT
PANCREAS	PARATHYROID GLAND	PHARYNX	PITUITARY GLAND
SALIVARY GLANDS	SKIN	SPINAL CORD	SPLEEN
STOMACH, FORESTOMACH	STOMACH, GLANDULAR	THYMUS	THYROID GLAND
TONGUE	TRACHEA	TRIGEMINAL GANGLION	URINARY BLADDER
UTERUS	VAGINA	ZYMBALS GLAND	

OBSERVATIONS

NO CORRELATE	TO OBSERVATION / MASS
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HISTOPATH TISSUE STATUS**Within Normal Limits**

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
CLITORAL GLAND	ESOPHAGUS	EYE	HARDERIAN GLAND
HEART	INTESTINE, LARGE, CECUM	INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM
INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM	INTESTINE, SMALL, JEJUNUM	LIVER
LUNG	LYMPH NODE	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	NOSE	PANCREAS	PARATHYROID GLAND
PITUITARY GLAND	SALIVARY GLAND	SKIN	SPLEEN
STOMACH, FORESTOMACH	STOMACH, GLANDULAR	THYMUS	THYROID GLAND
TRACHEA	URINARY BLADDER	UTERUS	UTERUS, CERVIX
VAGINA			

OBSERVATIONS

KIDNEY		CHRONIC PROGRESSIVE NEPHROPATHY	MINIMAL
OVARY	FOLLICLES	CYST	

ANIMAL ID: 1596	TRT#: F1-5	DOSE: 1000 mg/L	SEX: Female	REMOVAL DAY: PND128
GENERATION: F1	SELECTION: F1 Interim Females		DISP: Scheduled Removal (Interim)	HISTO: 1703176

GROSS PATHOLOGY TISSUE STATUS

Within Normal Limits

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
CARCASS	CERVIX	CLITORAL GLAND	ESOPHAGUS
EYE	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	KIDNEY, LEFT	KIDNEY, RIGHT	LARYNX
LIVER	LUNG	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	MUSCLE, THIGH	NERVE, SCIATIC	NERVE, TIBIAL
NOSE	OVARY, LEFT	OVIDUCT	PANCREAS
PARATHYROID GLAND	PHARYNX	PITUITARY GLAND	SALIVARY GLANDS
SKIN	SPINAL CORD	SPLEEN	STOMACH, FORESTOMACH
STOMACH, GLANDULAR	THYMUS	THYROID GLAND	TONGUE
TRACHEA	TRIGEMINAL GANGLION	URINARY BLADDER	UTERUS
VAGINA	ZYMBALS GLAND		

OBSERVATIONS

NO CORRELATE	TO OBSERVATION / MASS	
OVARY, RIGHT	CYST	CLEAR
Observation Comment: 2 mm^3.		
[CYST TGLS = TGL1]		

ANIMAL ID: 1596	TRT#: F1-5	DOSE: 1000 mg/L	SEX: Female	REMOVAL DAY: PND128
GENERATION: F1	SELECTION: F1 Interim Females		DISP: Scheduled Removal (Interim)	HISTO: 1703176

HISTOPATH TISSUE STATUS			
Within Normal Limits			
ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
CLITORAL GLAND	ESOPHAGUS	EYE	HARDERIAN GLAND
HEART	INTESTINE, LARGE, CECUM	INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM
INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM	INTESTINE, SMALL, JEJUNUM	LIVER
LUNG	LYMPH NODE	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	NOSE	PANCREAS	PITUITARY GLAND
SALIVARY GLAND	SKIN	SPLEEN	STOMACH, FORESTOMACH
STOMACH, GLANDULAR	THYMUS	THYROID GLAND	TRACHEA
URINARY BLADDER	UTERUS	UTERUS, CERVIX	VAGINA
NO SECTION			
PARATHYROID GLAND			
OBSERVATIONS			
KIDNEY		CHRONIC PROGRESSIVE NEPHROPATHY	MINIMAL
OVARY		NO CORRESPONDING LESION	
[NO CORRESPONDING LESION TGLS = TGL 1-NCL, Gross Finding = OVARY, RIGHT, CYST, CLEAR]			

Study Number: C11054B-01**Test Type:** TOX**Route:** Dosing in Water**Species/Strain:** Rat/Harlan Sprague Dawley**PA14: Individual Animal Pathology Data (Interim Animals)****Test Compound:** Sulfolane**CAS Number:** 126-33-0**Target Version:** Study Pathologist**Date Report Requested:** 02/24/2022**Time Report Requested:** 06:57:27**Lab:** Battelle with CRL

ANIMAL ID: 1597	TRT#: F1-5	DOSE: 1000 mg/L	SEX: Female	REMOVAL DAY: PND128
GENERATION: F1	SELECTION: F1 Interim Females		DISP: Scheduled Removal (Interim)	HISTO: 1703177

GROSS PATHOLOGY TISSUE STATUS**Within Normal Limits**

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
CARCASS	CERVIX	CLITORAL GLAND	ESOPHAGUS
EYE	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	KIDNEY, LEFT	KIDNEY, RIGHT	LARYNX
LIVER	LUNG	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	MUSCLE, THIGH	NERVE, SCIATIC	NERVE, TIBIAL
NOSE	OVARY, LEFT	OVARY, RIGHT	OVIDUCT
PANCREAS	PARATHYROID GLAND	PHARYNX	PITUITARY GLAND
SALIVARY GLANDS	SKIN	SPINAL CORD	SPLEEN
STOMACH, FORESTOMACH	STOMACH, GLANDULAR	THYMUS	THYROID GLAND
TONGUE	TRACHEA	TRIGEMINAL GANGLION	URINARY BLADDER
UTERUS	VAGINA	ZYMBALS GLAND	

OBSERVATIONS

NO CORRELATE	TO OBSERVATION / MASS
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HISTOPATH TISSUE STATUS**Within Normal Limits**

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
CLITORAL GLAND	ESOPHAGUS	EYE	HARDERIAN GLAND
HEART	INTESTINE, LARGE, CECUM	INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM
INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM	INTESTINE, SMALL, JEJUNUM	KIDNEY
LIVER	LUNG	LYMPH NODE	LYMPH NODE, MANDIBULAR
LYMPH NODE, MESENTERIC	MAMMARY GLAND	NOSE	PANCREAS
PARATHYROID GLAND	PITUITARY GLAND	SALIVARY GLAND	SKIN
SPLEEN	STOMACH, FORESTOMACH	THYMUS	THYROID GLAND
TRACHEA	URINARY BLADDER	UTERUS	UTERUS, CERVIX
VAGINA			

OBSERVATIONS

OVARY	FOLLICLES	CYST	
STOMACH, GLANDULAR		MINERAL	MILD

Animal Note: Kinked tail confirmed at necropsy but not considered a gross lesion.

Study Number: C11054B-01**Test Type:** TOX**Route:** Dosing in Water**Species/Strain:** Rat/Harlan Sprague Dawley**PA14: Individual Animal Pathology Data (Interim Animals)****Test Compound:** Sulfolane**CAS Number:** 126-33-0**Target Version:** Study Pathologist**Date Report Requested:** 02/24/2022**Time Report Requested:** 06:57:27**Lab:** Battelle with CRL

ANIMAL ID: 1598	TRT#: F1-5	DOSE: 1000 mg/L	SEX: Female	REMOVAL DAY: PND128
GENERATION: F1	SELECTION: F1 Interim Females		DISP: Scheduled Removal (Interim)	HISTO: 1703178

GROSS PATHOLOGY TISSUE STATUS**Within Normal Limits**

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
CARCASS	CERVIX	CLITORAL GLAND	ESOPHAGUS
EYE	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	KIDNEY, LEFT	KIDNEY, RIGHT	LARYNX
LIVER	LUNG	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	MUSCLE, THIGH	NERVE, SCIATIC	NERVE, TIBIAL
NOSE	OVARY, LEFT	OVARY, RIGHT	OVIDUCT
PANCREAS	PARATHYROID GLAND	PHARYNX	PITUITARY GLAND
SALIVARY GLANDS	SKIN	SPINAL CORD	SPLEEN
STOMACH, FORESTOMACH	STOMACH, GLANDULAR	THYMUS	THYROID GLAND
TONGUE	TRACHEA	TRIGEMINAL GANGLION	URINARY BLADDER
UTERUS	VAGINA	ZYMBALS GLAND	

OBSERVATIONS

NO CORRELATE	TO OBSERVATION / MASS
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HISTOPATH TISSUE STATUS**Within Normal Limits**

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
CLITORAL GLAND	ESOPHAGUS	EYE	HARDERIAN GLAND
HEART	INTESTINE, LARGE, CECUM	INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM
INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM	INTESTINE, SMALL, JEJUNUM	KIDNEY
LIVER	LUNG	LYMPH NODE	LYMPH NODE, MANDIBULAR
LYMPH NODE, MESENTERIC	MAMMARY GLAND	NOSE	OVARY
PANCREAS	PARATHYROID GLAND	PITUITARY GLAND	SALIVARY GLAND
SKIN	SPLEEN	STOMACH, FORESTOMACH	STOMACH, GLANDULAR
THYMUS	THYROID GLAND	TRACHEA	URINARY BLADDER
UTERUS	UTERUS, CERVIX	VAGINA	

Study Number: C11054B-01**Test Type:** TOX**Route:** Dosing in Water**Species/Strain:** Rat/Harlan Sprague Dawley**PA14: Individual Animal Pathology Data (Interim Animals)****Test Compound:** Sulfolane**CAS Number:** 126-33-0**Target Version:** Study Pathologist**Date Report Requested:** 02/24/2022**Time Report Requested:** 06:57:27**Lab:** Battelle with CRL

ANIMAL ID: 1599	TRT#: F1-5	DOSE: 1000 mg/L	SEX: Female	REMOVAL DAY: PND128
GENERATION: F1	SELECTION: F1 Interim Females		DISP: Scheduled Removal (Interim)	HISTO: 1703179

GROSS PATHOLOGY TISSUE STATUS**Within Normal Limits**

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
CARCASS	CERVIX	CLITORAL GLAND	ESOPHAGUS
EYE	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	KIDNEY, LEFT	KIDNEY, RIGHT	LARYNX
LIVER	LUNG	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	MUSCLE, THIGH	NERVE, SCIATIC	NERVE, TIBIAL
NOSE	OVARY, LEFT	OVARY, RIGHT	OVIDUCT
PANCREAS	PARATHYROID GLAND	PHARYNX	PITUITARY GLAND
SALIVARY GLANDS	SKIN	SPINAL CORD	SPLEEN
STOMACH, FORESTOMACH	STOMACH, GLANDULAR	THYMUS	THYROID GLAND
TONGUE	TRACHEA	TRIGEMINAL GANGLION	URINARY BLADDER
UTERUS	VAGINA	ZYMBALS GLAND	

OBSERVATIONS

NO CORRELATE	TO OBSERVATION / MASS
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HISTOPATH TISSUE STATUS**Within Normal Limits**

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
CLITORAL GLAND	ESOPHAGUS	EYE	HARDERIAN GLAND
HEART	INTESTINE, LARGE, CECUM	INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM
INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM	INTESTINE, SMALL, JEJUNUM	LIVER
LUNG	LYMPH NODE	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	NOSE	OVARY	PANCREAS
PARATHYROID GLAND	PITUITARY GLAND	SALIVARY GLAND	SKIN
SPLEEN	STOMACH, FORESTOMACH	STOMACH, GLANDULAR	THYMUS
THYROID GLAND	TRACHEA	URINARY BLADDER	UTERUS
UTERUS, CERVIX	VAGINA		

OBSERVATIONS

KIDNEY	CHRONIC PROGRESSIVE NEPHROPATHY	MINIMAL
	INFARCT	MINIMAL

Animal Note: Kinked tail confirmed at necropsy but not considered a gross lesion.

Study Number: C11054B-01**Test Type:** TOX**Route:** Dosing in Water**Species/Strain:** Rat/Harlan Sprague Dawley**PA14: Individual Animal Pathology Data (Interim Animals)****Test Compound:** Sulfolane**CAS Number:** 126-33-0**Target Version:** Study Pathologist**Date Report Requested:** 02/24/2022**Time Report Requested:** 06:57:27**Lab:** Battelle with CRL

ANIMAL ID: 1600	TRT#: F1-5	DOSE: 1000 mg/L	SEX: Female	REMOVAL DAY: PND127
GENERATION: F1	SELECTION: F1 Interim Females		DISP: Scheduled Removal (Interim)	HISTO: 1703180

GROSS PATHOLOGY TISSUE STATUS**Within Normal Limits**

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
CARCASS	CERVIX	CLITORAL GLAND	ESOPHAGUS
EYE	HARDERIAN GLAND	HEART	INTESTINE, LARGE, CECUM
INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM	INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM
INTESTINE, SMALL, JEJUNUM	KIDNEY, LEFT	KIDNEY, RIGHT	LARYNX
LIVER	LUNG	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	MUSCLE, THIGH	NERVE, SCIATIC	NERVE, TIBIAL
NOSE	OVARY, LEFT	OVARY, RIGHT	OVIDUCT
PANCREAS	PARATHYROID GLAND	PHARYNX	PITUITARY GLAND
SALIVARY GLANDS	SKIN	SPINAL CORD	SPLEEN
STOMACH, FORESTOMACH	STOMACH, GLANDULAR	THYMUS	THYROID GLAND
TONGUE	TRACHEA	TRIGEMINAL GANGLION	URINARY BLADDER
UTERUS	VAGINA	ZYMBALS GLAND	

OBSERVATIONS

NO CORRELATE	TO OBSERVATION / MASS
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HISTOPATH TISSUE STATUS**Within Normal Limits**

ADRENAL GLAND	AORTA	BONE, FEMUR	BRAIN
CLITORAL GLAND	ESOPHAGUS	EYE	HARDERIAN GLAND
HEART	INTESTINE, LARGE, CECUM	INTESTINE, LARGE, COLON	INTESTINE, LARGE, RECTUM
INTESTINE, SMALL, DUODENUM	INTESTINE, SMALL, ILEUM	INTESTINE, SMALL, JEJUNUM	LIVER
LUNG	LYMPH NODE	LYMPH NODE, MANDIBULAR	LYMPH NODE, MESENTERIC
MAMMARY GLAND	NOSE	OVARY	PANCREAS
PITUITARY GLAND	SALIVARY GLAND	SKIN	STOMACH, FORESTOMACH
STOMACH, GLANDULAR	THYMUS	THYROID GLAND	TRACHEA
URINARY BLADDER	UTERUS	UTERUS, CERVIX	VAGINA

NO SECTION

PARATHYROID GLAND

OBSERVATIONS

KIDNEY	CHRONIC PROGRESSIVE NEPHROPATHY	MINIMAL
SPLEEN	PIGMENT	MINIMAL

Study Number: C11054B-01

Test Type: TOX

Route: Dosing in Water

Species/Strain: Rat/Harlan Sprague Dawley

PA14: Individual Animal Pathology Data (Interim Animals)

Test Compound: Sulfolane

CAS Number: 126-33-0

Target Version: Study Pathologist

Date Report Requested: 02/24/2022

Time Report Requested: 06:57:27

Lab: Battelle with CRL

LEGEND

SD – Study Day; GD – Gestation Day; LD – Lactation Day; PND – Postnatal Day, adults post-weaning

**** END OF REPORT ****